4/22/52

PORTER BROS. CORPORATION

ROBERT P. PORTER, PRESIDENT
REUEL G. PHILLIPS, VICE-PRESIDENT
DAVID L. SKIDMORE, SECRETARY AND TREASURER

411 PAULSEN BUILDING
SPOKANE 1, WASHINGTON

TELEPHONE
RIVERSIDE 0668

April 19, 1952

Mr. Ernest Wm. Ellis, Acting Chief
Rare and Misc. Metals Division
Defense Minerals Exploration Administration
Department of Interior
Washington 25, D. C.

Re: Docket No. DMEA 1899
(Monazite, Tantalum,
Columbite, Uranium)

Dear Mr. Ellis:

We are enclosing schedules setting forth the results of the drilling, preparation of samples and assays on the test holes drilled by Porter Bros. Corporation in Bear Valley, Idaho during the year 1951. There are also attached to this letter two tabulations of comparisons of number of pounds per yard of U_3O_8 and columbium-tantalum oxides as computed from the various assays.

Of the 34 holes drilled, 19 were not washed or prepared for assay or assayed, while 15 holes have been prepared and assayed by various laboratories. The 19 holes not prepared or assayed are stored at our warehouse at Baker, Oregon.

Our observations of the results are as follows:

1. There is considerable discrepancy in the various determinations of U_3O_8 columbium-tantalum oxides and monazite.

2. Basing the number of pounds per yard on the above assays, there is a very wide variation in the pounds per yard of U_3O_8, columbium-tantalum oxides and monazite.

Very few people realize that dredging operations are based on large quantity production and that even with the results thus far obtained and which are far from complete, a substantial quantity of the materials would be recovered. There is tabulated below estimated daily production based on 6,000 and 10,000 cubic yards per day with 80% recovery.

	6,000 cu. yds. per day		10,000 cu. yds. per day	
	Lbs. per day U_3O_8	Lbs. for 300 days per year	Lbs. per day U_3O_8	Lbs. for 300 days per year
SMIB	34.08	10224	56.8	16940
AEC	28.8	8640	48.0	14400
Vitro	70.08	21024	116.8	35040

Columbium and Tantalum Oxides

	6,000 cu. yds. per day		10,000 cu. yds. per day	
	Lbs. per day	Lbs. for 300 days per year	Lbs. per day	Lbs. for 300 days per year
Union Carbide & Carbon Co.	432	129,600	720	216,000
Molybdenum Corporation	6,186	1,855,872	10,310	3,093,120
Monazite				
Estimated at 1/2# to 1# per yard	2,400 to 4,800	720,000 to 1,440,000	4,000 to 8,000	1,200,000 to 2,400,000

We feel that enough work has been done thus far to indicate that a profitable operation may be developed at Bear Valley and that the following steps should be taken at once:

1. The samples from the remaining 19 holes should be washed and prepared for assaying.

2. Arrangements should be made to have these samples assayed for uranium and monazite by both the Atomic Energy Commission laboratory in New York and the SMIB at Mt. Weather, Va.

3. Arrangements should be made for the columbium-tantalum assays on the remaining samples to be run by Ledoux & Co. and also for Ledoux & Co. to run check assays on two or three of the samples assayed by Union Carbide and Carbon Company, especially on those where on identical samples Union Carbide and Carbon Company showed "traces" and Molybdenum Corporation showed high results.

Bear Valley weather still precludes getting on the property. Last reports indicate there is 6 to 7 feet of snow in the area. It is therefore impossible for us to file with the Bureau of Land Management to have the claims opened for mineral location or released from the first reclamation withdrawal, as we would be unable to get to the property to restake the claims.

Our application with DMEA for assistance in the exploration program requested $92,000.00. This amount was estimated as the total expenditure required to carry out the complete program as outlined in the application and as shown on the maps included therewith. It was expected this total amount would be expended only if results as we proceeded warranted continuation. In other words, at any time that the government might feel that the property did not warrant further investigation, the work would be discontinued and no further cost entailed. We are dredge operators and are not interested in prospecting alone, but only as a means to develop a dredging project.

We have spent on this work at the present time approximately $20,000 and we estimate it would cost approximately $5,000 to complete washing, preparing and assaying the remaining drill hole samples.

In view of the amount we have expended to date, we do not feel that we should proceed with the additional work on the samples at our own expense and we feel that DMEA should pay for this work and tie the loan to the property not withdrawn. This would facilitate completing the assays to get the full benefit from the work we have performed to date.

We feel that a contract should be entered into where the $5,000 would be available to us immediately. Should the assays of the remaining 19 holes be satisfactory, we would immediately file with the Department of Interior, Land Management, an application to have the land removed from the withdrawal restrictions. When this has been accomplished, the balance of the funds necessary for the continuation of the prospecting should be made available to us.

We will await hearing from you as to your reaction in this matter and wish to state that we will be available at any time to come to Washington to discuss it more fully with you. If you feel there is any further information you may require, please call upon us and we will be glad to furnish it to you at once.

Yours very truly,

PORTER BROS. CORPORATION

R P Porter

R. P. Porter,
President

RPP:dms

BEAR VALLEY, IDAHO

AVERAGE POUNDS OF COLUMBIUM & TANTALUM OXIDE PER YARD

PORTER BROS. CORPORATION
411 PAULSEN BUILDING
SPOKANE, WASHINGTON

			UNION CARBIDE AND CARBON COMPANY				MOLYBDENUM CORPORATION OF AMERICA			
HOLE NO.	LOT NO.	DEPTH	LBS. Cb_2O_5 + Ta_2O_5 PER YD.	LBS. X DEPTH	TOTAL LBS. X DEPTH	AVERAGE LBS. Cb_2O_5 + Ta_2O_5 PER YD.	LBS. Cb_2O_5 + Ta_2O_5 PER YD.	LBS. X DEPTH	TOTAL LBS. X DEPTH	AVERAGE LBS. Cb_2O_5 + Ta_2O_5
103-D	855-B	18.0	0.0880	1.5840	1.5840	0.0880				
103-B	855-C	18.0	TR.			0.0440	1.372	24.6960	24.6960	1.3720
57-D	863-A	24.0	0.0663	1.5912	3.1752	0.0694				
57-K	863-C	31.0	0.1614	5.0034	8.1786	0.0900				
*44-2U	867-E	88.0	0.0349	3.0712	10.8520					
*44-3Y	867-I	81.0	TR.							
88-D	855-A	21.0					1.217	25.5570	50.2530	1.2888

(*) Holes outside of proposed drilling area for 1952.

Comparison	Lbs. of Cb_2O_5 + Ta_2O_5 per yd.
Union Carbide & Carbon Company	0.0900
Molybdenum Corp. of America	1.2888

BEAR VALLEY, IDAHO

AVERAGE POUNDS U_3O_8 PER CUBIC YARD

PORTER BROS. CORPORATION
411 PAULSEN BUILDING, SPOKANE, WN.

				SMIB BUREAU OF MINES			SALT LAKE CITY BUREAU OF MINES				VITRO CHEMICAL COMPANY				ATOMIC ENERGY COMMISSION, NEW YORK, N. Y.			
HOLE NO.	LOT NO.	DEPTH	LBS. U_3O_8 PER YD.	LBS. X DEPTH	TOTAL LBS. X DEPTH	AVERAGE LBS. U_3O_8	LBS. U_3O_8 PER YD	LBS. X DEPTH	TOTAL LBS. X DEPTH	AVERAGE LBS. U_3O_8	LBS. U_3O_8 PER YD.	LBS. X DEPTH	TOTAL LBS. X DEPTH	AVERAGE LBS. U_3O_8	LBS. U_3O_8 PER YD.	LBS. X DEPTH	TOTAL LBS. X DEPTH	AVERAGE LBS. U_3O_8
88-D	855-A	21.0'	0.0036	0.0756	0.0756	0.0036	0.0058	0.1218	0.1218	0.0058					0.0024	0.0504	0.0504	0.0024
103-D	855-B	18.0	0.0181	0.3258	0.4014	0.0120									0.0097	0.1746	0.2250	0.0058
103-B	855-C	18.0	0.0153	0.2754	0.6768	0.0118	0.0213	0.3834	0.5052	0.0130								
57-D	863-A	24.0	0.0029	0.0696	0.7464	0.0092					0.0154	0.3696	0.3696	0.0154	0.0048	0.1152	0.3402	0.0054
57-I	863-B	33.0	0.0062	0.2046	0.9510	0.0083					0. 0218	0.7194	1.0890	0.0191	0.0082	0.2706	0.6108	0.0063
57-K	863-C	31.0	0.0070	0.2170	1.1680	0.0080					0.0065	0.2015	1.2905	0.0146	0.0046	0.1426	0.7534	0.0060
44-Q	867-A	50.0	0.0460	0.2300	1.3980	0.0071												
44-C	867-B	82.0																
44-J-1	867-C-1	61.0																
44-J	867-D	31.0	0.0042	0.1302														
*44-2U	867-E	88.0	0.0040	0.3520	1.7500	0.0062									0.0024	0.2112	0.9646	0.0045
*44-2N	867-F	61.0	0.0029	0.1769														
44-2N	867-G	44.0																
44-2G	867-H	79.0																
*44-3Y	867-I	81.0													0.0026	0.2106		
*36-F	867-J	92.0	0.0032	0.2944														
*44-3-O	867-K	88.0	0.0045	0.3960														

(*) Holes outside of proposed drilling area for 1952

Comparison of Results:

SMIB to hole 44-Q	0.0071
AEC to hole 44-2U	0.0060
SMIB to hole 103B	0.0118
Salt Lake City to hole 103B	0.0130
AEC to hole 103D	0.0058
SMIB to Hole 57-D to 57-K	0.0055
Vitro to Hole 57-D to 57-K	0.0146
AEC 57-D to 57-K	0.0060

JAN 10 1952

Mr. Robert [illegible] Porter
Porter Bros. Corporation
[illegible] Building
[illegible], Washington

re: [illegible] Docket 1399
(Composite Tantalum Columbium [illegible])
Porter Bros. Corporation
Exploration - Valley Co., Idaho

Dear Mr. Porter:

From records in [illegible], it appears that most of the land to be explored by the above project has been withdrawn from mineral entry.

When you have established a valid claim to the ground in question the processing of your application can be completed.

This letter is to confirm our telephone conversation of January 8, 1952 with Mr. David L. Skidmore.

Sincerely yours,

Ernest [illegible] Ellis, Acting Chief
Bore and Arc. Metals Division
Defense Materials Exploration
Administration

[illegible]eitner/jem
1-9-52
cc to: Adm. Harding File
Mails & Files Br.
Docket
Messrs. Ellis
Carlson, L.J., Rm. 1347
Morton, J.J. Rm. G-226 G...
Leitler
Field Team, Region II (2)

PORTER BROS. CORPORATION

411 PAULSEN BUILDING
SPOKANE 8, WASHINGTON

ROBERT P. PORTER, PRESIDENT
REUEL G. PHILLIPS, VICE-PRESIDENT
DAVID L. SKIDMORE, SECRETARY AND TREASURER

TELEPHONE
RIVERSIDE 0658

November 9, 1951

Mr. Weston G. Bourret, Chief
Minor and Rare Metals Branch
Defense Minerals Administration
Washington 25, D. C.

Re: DMA Docket-1899
Columbian-tantalum
Uranium, Monazite,
rare earth ores.

Dear Mr. Bourret:

We submit herewith certain additional information in connection with our application for aid for the exploration project at Bear Valley, Idaho, under DMA Docket-1899.

Experience gained during the progress of the exploration work carried on by us this past season including laboratory research as well as actual drilling has indicated that the amount we originally estimated as being sufficient to carry out the program is entirely too low. We have thus far expended approximately $20,000 on the project and it can definitely be stated that there is a tremendous potential yardage of material in Bear Valley. Due to the fact that no deposit of this character has been found in this country and that no one has heretofore had any experience from which we could draw, it has been necessary for us to "pioneer" a great deal of the methods and procedures involved in handling the drill hole samples and performing the laboratory work.

We are planning under this proposal to complete the laboratory and assay work on the samples now on hand from this past season's drilling and to proceed next spring with a program designed to block out sufficient yardage to warrant installation of a dredge or dredges at an early date should the results warrant it.

As our original estimate of $50,000 is much too low to complete the project we request that it be revised to $92,000.

As you are aware, the Atomic Energy Commission is very much interested in this project and on our trip to New York this week we discussed the property and our program with Mr. Dean Fraeche of Union Carbide and Carbon Company. Mr. Fraeche has requested that we furnish him samples of our concentrates for assay. He stated that due to the presence of Columbium-tantalum in the material his company would be very much interested if a commercial deposit is indicated by the exploration work.

There is submitted herewith the following material:

1. Maps of the Bear Valley property on which the location of the drill holes completed is shown in black. The proposed location of 115 drill holes to be put down in 1952 is shown in red.

2. A tabulation consisting of 2 sheets showing the results of laboratory work thus far completed. The U_3O_8 and monazite determinations were furnished by Mr. M. M. Kline of ANL branch of the Bureau of Mines at Bluemont, Virginia. All other data shown was prepared by The Gallagher Company at their Salt Lake City Laboratory.

3. Copy of letter dated September 6, 1951, from Molybdenum Corporation of America indicating results of their assays for Columbium-tantalum and titanium oxides on concentrate samples furnished by The Gallagher Company.

4. Copy of letter dated October 2, 1951, from Vitro Chemical Company to The Gallagher Company indicating results of their assays for U_3O_8 on concentrate samples submitted to them by The Gallagher Company.

5. Copy of Supplementary agreement to Mining Lease dated the 31st day of July, 1951.

6. Copy of contract modifying mining lease dated the 1st day of October, 1951.

7. Supplemental information for Questions 7 and 9, Form MF-103.

8. Supplemental information for Question 10(a), Form MF-103.

9. Supplemental information for Question 21, Form MF-103 setting forth proposed additional work.

10. Revised estimate of Requirements and Costs.

We trust this information will be sufficient to expedite handling of our application in order that we may proceed immediately with the laboratory work and assaying and to prepare ourselves for the actual drilling in the field next spring. If any additional information is desired, please advise us and we will furnish it promptly.

We appreciate the courtesies extended us while in Washington and the cooperation of the various departments in assisting us in preparing this data.

Yours very truly,

PONTER MOL. CORPORATION

R. P. Porter
President

RPPrmel

Table No. 1

COPY

Hole No.	Lot No.	Test No.	Footage Tab.	Wt. in Lbs -3/8" +3/8"	Wt. in Lbs -3/8" +20 M	Wt. in Lbs -3/8" -20M	Wt. in Lbs -3/8" Total	% Wt. -3/8" +3/8"	% Wt. -3/8" +20 M	% Wt. -3/8" -20 M	-3/8" Feed to Screen Wt.	-3/8" Feed to Screen % of -3/
88-D	855-A	1	0'-21'	13.0	98.0	105.0	216.0	6.02	45.37	48.61	213.0	100.0
103-D	855-B	1	0'-18'	14.5	110.0	182.0	306.5	4.73	35.84	59.43	292.0	100.0
103-B	855-C	1	0'-18'	17.5	87.0	106.5	211.0	8.29	41.21	50.50	193.5	100.0
57-D	863-A	1	0'-24'	57.5	230.5	232.5	520.5	11.03	44.34	44.63	463.0	100.0
57-I	863-B	1	0'33'	79.5	293.0	395.0	767.5	10.37	38.14	51.49	688.0	100.0
57-K	863-C	1	0'31'	72.5	228.5	289.0	590.5	12.27	38.65	49.08	518.0	100.0
44-Q	867-A	1	0'-50'	131.5	414.5	462.5	1008.5	13.0	41.1	45.9	224.0	25.5
44-C	867-B	1	0'-82'	154.0	691.0	689.0	1534.0	10.1	45.0	44.9	348.5	25.2
44-J	867-C	1	0'-61'	111.0	470.0	433.5	1014.5	10.94	46.36	42.70	230.75	25.5
44-J	867-C	2	0'-61'	111.0	470.0	433.5	1014.5	10.94	46.36	42.70	221.0	24.5
44-J	867-D	1	61'-92'	76.0	245.5	267.0	588.5	12.9	41.7	45.4	257.0	50.2
44-2U	867-E	1	0'-88'	54.0	406.5	765.0	1225.5	4.41	33.19	62.4	289.25	24.7
44-2N	867-F	1	0'61'	34.0	368.5	591.5	994.0	3.42	37.10	59.48	299.5	31.2
44-2N	867-G	1	61'-105'	23.5	183.0	401.0	607.5	3.87	30.14	65.99	294.0	50.5
44-2G	867-H	1	0'-795'	72.5	492.5	803.9	1368.9	5.30	36.0	58.7	328.8	25.4
44-2Y	867-I	1	0'-81'	67.5	474.0	872.5	1414.0	4.77	33.50	61.73	328.0	24.4

13,581.9

Holes 88-D, 103-D, 103-B - Plus 3/8" fraction actually plus 1/2"

G.P. F.B. 6.625 6.625 6.625 G.P. Drawer Pillar

Table No. 2

COPY

Hole No.	Test No.	Wt. of Con. Prod.	Wt. of Con from Hole (calc)	Con % Total Wt.	Con lbs/yd.³	○Con U_3O_8% **	lbs. U_3O_8 per yd.³ **	Lbs. Monazite per cu. yd. **
88-D	1	2.464	2.464	1.1411	30.8	0.012	0.0037	1.03
103-D	1	4.572	4.572	1.490	40.23	0.043	0.0173	1.92
103-B	1	2.785	2.785	1.320	35.64	0.043	0.0153	1.63
57-D	1	5.108	5.108	0.981	26.49	0.011	0.0029	0.77
57-I	1	8.059	8.059	1.050	28.35	0.022	0.0061	1.36
57-K	1	5.892	5.892	0.997	26.92	0.026	0.0050	0.84
44-Q	1	2.296	8.99	0.892	24.08	0.019	0.0046	0.50
44-C	1	2.738	10.83	0.706	19.06			0.42
44-J	1	1.637	6.215	0.613	16.55			0.38
44-J	2	1.505	6.150	0.606	16.36			
44-J	1	1.580	3.150	0.535	14.44	0.029	0.0042	0.49
44-2U	1	2.251	9.135	0.745	20.11	0.020	0.0040	0.53
44-2N	1	1.938	6.210	0.625	16.87	0.017	0.0029	0.42
44-2M	1	3.142	9.120	1.502	40.55			1.01
44-2G	1	2.891	11.390	0.832	22.46			
44-2Y	1	3.317	13.600	0.964	26.03			

Wt. of Conc. Produced is weight of conc obtained from tabling the -20 mesh portion of the -3/8" feed to screen (Table No. 1)

* If all the radioactivity were attributed to monazite.

** Analytical work done by S.M.B. - reported by Mr. Porter

○ % of U_3O_8 in con. obtained from composite sample.

C O P Y

THE GALIGHER COMPANY
545 West Eighth South Street
Telephone 9-8731
Salt Lake City 4, Utah

September 25, 1951

SMIB
Bureau of Mines
Mt. Weather
Bluemont, Virginia

Attention: Mr. M. H. Kline

Subject: Columbium and Tantalum Assays on Bear Valley Concentrates Made by The Molybdenum Corp. of America

Dear Mr. Kline:

Mr. Porter of Porter Brothers Corporation advised that you would be interested in columbium and tantalum assays' results on concentrates of the Bear Valley, Idaho gravels. We list below the various products assayed by The Molybdenum Corporation.

Hole No.	Lot No.	Concentrate Screen Fraction	% Wt.	% Columbium- & Tantalum Oxides	% U_3O_8
88-D	855A	-20/35	10.2	2.70	None
"	"	-35/65	32.4	4.60	"
"	"	-65	57.4	3.80	"
"	"	Comb. Conc.	100.0	3.95	None
103-B	855C	-20/35	12.8	5.50	None
"	"	-35/65	34.7	4.70	"
"	"	-65	52.5	2.90	"
"	"	Comb. Conc.	100.0	3.85	None

We have discussed the idea you suggested relative to having Ledoux and Company of New York assay the six concentrates for columbium and tantalum oxide with Mr. Porter and believe that this would be in order. We believe it advisable to contact Ledoux and Company before submitting samples and will advise you when we hear that samples can be forwarded.

Yours very truly,

THE GALIGHER COMPANY

J. B. Morrow
Metallurgist

JBM:clt
cc: Mr. Porter
Eastern Office

C O P Y

MOLYBDENUM CORPORATION OF AMERICA
Washington
Pennsylvania

September 6, 1951

E. A. Lucas
Executive Vice President

Porter Bros. Corporation
41 Paulsen Building
Spokane, Washington

Gentlemen:

We now report as follows on samples received from you and referred to in wires of 8/20 and 8/21:

Sample No.	% Columbium & Tantalum Oxide	% Titanium Oxide	% Uranium Oxide
Test #1 855A-65 Cl. Table Conc.	3.80	8.40	None
Test #1 855C-65 Cl. Table Conc. 665	2.90	8.50	None
Test #1 855A-35/65 Cl. Table. Conc.	4.60	8.20	None
Test #1 855C-20/35 Cl. Table Conc. #2	5.50	13.00	None
Test #1 855C-35 65/Cl. Table Conc.	4.70	14.00	None

Very truly yours,

E. A. Lucas

EAL:wfb
cc-Mr. Marx Hirsch

VITRO CHEMICAL COMPANY
600 W. 33rd So. St.
Salt Lake City 15, Utah

c
o
p
y

P.O. Box 67
South Salt Lake Station

Tel: 8-1942

October 2, 1951

The Galigher Company
545 W. 8th South St.
Salt Lake City 4, Utah

Attention: Mr. Harold Wright

Dear Harold:

Our laboratory reports the following results upon the samples you submitted to us from Porter Brothers.

Our Sample No.		Your No.	Date	% U_3O_8
1488	(863A-20 plus 35)	377	8-21	0.067
1489	(863B minus 20 plus 35)	538	8-22	0.054
1490	(863A minus 65)	810	8-21	0.052
1491	(863A minus 35 plus 65)	1135	8-21	0.060
1492	(863B minus 35 plus 65)	1507	8-22	0.071
1493	(863B minus 65)	1618	8-22	0.090

We hope these results are of some help to you. The above-numbered pulps are being returned in a separate container. If we can be of further assistance please call on us.

Yours very truly,

VITRO CHEMICAL COMPANY

M. G. McGrath

REW:irs

Porter Bros. Corporation
411 Paulsen Building
Spokane 1, Washington

DMA docket-1899
Prospecting-Bear Valley, Idaho
Columbium-tantalum, uranium, monazite, rare earths

Supplemental information in connection with data furnished with the following forms previously submitted:

(1) Form MF-100 dated June 27, 1951
(2) Form MF-103 dated July 26, 1951

THE APPLICANT

Form MF-103 Question 7

The lease submitted with Form MF-103 has been modified in certain respects and copies are furnished herewith of the supplementary agreement dated July 31, 1951, and of the modifying agreement dated October 1, 1951.

The lease is in good standing.

Form MF-103 Question 9

Approximately [illegible],000 has thus far been invested by this company in the project. The company is prepared to invest an additional [illegible]9,200.00 which is sufficient to pay the company's part of the project as detailed in Question 23.

Porter Bros. Corporation
411 Paulsen Building
Spokane 1, Washington

THE PROPERTY
(Supplemental Information)

Form MF-103 Question 10(a)

In addition to the property comprising 5,440 acres covered by the lease accompanying Form MF-103, the company has completed negotiations to lease the land known as the McDowell property. This lease has been written, approved by all parties and has gone forth for signatures. The property comprises approximately 5,600 acres and lies along the easterly side and is contiguous to the land already under lease.

Negotiations are proceeding for leasing the so-called Harris property which is also contiguous to and along the easterly side of the presently leased property at the upper end of Bear Valley. This tract comprises approximately 1,800 acres.

Porter Bros. Corporation
411 Paulson Building
Spokane 1, Washington

TIN EXPLORATION
(Supplemental Information)

Form MF-103 Question 21

Form MF-103, as filed, detailed the then proposed work and methods to be used. The company proceeded with the drilling program during the 1951 season and put down 34 drill holes as indicated in black on the accompanying maps.

Drill samples from 15 holes have been shipped to The Galigher Company at Salt Lake City where they were concentrated to determine the weight of black minerals per cubic yard and other pertinent information. After several holes had been processed we were instructed to forward representative samples of the concentrates to the laboratory of the Special Minerals Branch of the Bureau of Mines at Bluemont, Virginia, for determinations of radio-active materials. Results of the work thus far completed by The Galigher Company and the Bureau of Mines at Bluemont are shown on tabulations furnished herewith.

The further work proposed to be done on this project and for which aid is requested consists of the following:

1. Preparation and shipping of concentrate samples now on hand at The Galigher Company to the following for assaying:

   (a) Bureau of Mines, Bluemont, Virginia
   (b) Atomic Energy Commission, New York, N. Y.
   (c) Union Carbide and Carbon Company, New York, N.Y.
   (d) Ledoux and Company, New York, N. Y.
   (e) Such other laboratories as may seem advisable.

2. Handling and shipping the balance of the past season's drill hole samples from our warehouse to The Galigher Company at Salt Lake City.

3. Concentrating and laboratory determinations by The Galigher Company on the past season's drill hole samples which have not yet been completed.

4. Preparation and shipping of concentrate samples from above drill hole samples to the various laboratories listed in 1 above.

5. Opening of roads to the property in the spring of 1952 to permit early resumption of the drilling program.

6. Proceeding with a drilling program in 1952 designed to determine the value and extent of the deposits on the leased property with a view to install a mining operation thereon. The proposed location of 115 drill holes is indicated in red on the maps furnished herewith.

7. All necessary sacking, transporting and delivery of the drill hole samples to The Galigher Company in the same manner as handled in the 1951 season.

8. All concentrating and laboratory determinations on the samples by The Galigher Company.

9. Preparation and shipping of concentrate samples to the various laboratories listed in 1 above.

It is estimated that the time required for the project in the field will be approximately 150 working days for two drills. It is estimated that the laboratory and assay work will require an additional 90 days after completion of the drilling in the field.

The uncertainty of weather conditions in the project area which may delay opening up the ward in the spring and curtail it in the fall makes it impossible at this time to state that the field work can be completed in the 1952 season. Furthermore, the complexity of the material and the fact that most assay laboratories are overcrowded with work may extend the time required to complete the project beyond that now anticipated. In any event, however, it is estimated that the entire program will be completed by October 31, 1953.

Porter Bros. Corporation
Hill Paulsen Building
Spokane 1, Washington

THE [illegible] AND COSTS
(Revised)

Summary of Estimated Costs

(a)	Labor	$ 28,050.00
(b)	Supervisors	4,600.00
(c)	Repairs to existing facilities (none)	
(d)	Construction of additional facilities	3,500.00
(e)	Equipment to be purchased (none)	
(f)	Equipment rental	1,800.00
(g)	Rental value of equipment owned	7,000.00
(h)	Materials and supplies	12,000.00
(i)	Laboratory and miscellaneous	35,050.00
	Total	$ 92,000.00

Details of Estimated Costs

(a) Labor

2,400 hrs. drillers (2) @ $2.00	$ 4,800.00
2,400 hrs. drill helpers (2) @ $1.50	3,600.00
2,400 hrs. panners (2) @ $1.75	4,200.00
4,800 hrs. labor (4) @ $1.50	7,200.00
	$ 19,800.00
Board for 10 men @ $4 per day each for 150 days	6,000.00
3 cabins @ $5 per day each for 150 days	2,250.00
Total labor cost	$ 28,050.00

(b) Supervisors

1- Engineer-supervisor - 5 months @ $500	$ 2,500.00
Board @ $4 per day for 150 days	600.00
1-Clerk-5 months @ $300	1,500.00
Total supervisors	$ 4,600.00

(c) Repairs to existing facilities — none

(d) Additional facilities

No plans have been made to provide housing and boarding facilities for the drill crews. During the past season the men were housed and boarded at Deadwood Lodge, a commercial establishment located 14 miles from the project. The Company paid $4 per day per man for board and $5 per day for a cabin.

Should it be deemed advisable to provide board and sleeping accommodations on the project next spring, it is estimated that the cost of such facilities would be approximately $3,500 which sum is included in the summary above.

(e) Equipment to be purchased — none

(f) Cost of rental for equipment proposed to be rented

In order to continue operations as early as possible next season, it will be necessary to rent a caterpillar tractor to clear the snow from the road to the property. It is estimated that this work will require 15 days of 8 hours per day. Rental of the equipment is estimated at $15 per hour.

Total rental 120 hours @ $15	1,800.00

(g) Rental value of equipment owned

1 - Keystone #71 drill, self-propelled on caterpillar tracks, including pipe, bits, tools and accessories	$ 350.00 per month
1 - Williams Prospector drill, mounted on Studebaker 6 x 6 truck, including pipe, bits, tools and accessories	350.00 per month
1 - GMC 1/2 ton flat bed truck	150.00 per month
1 - International 2½ ton flat bed truck	150.00 per month
1 - International 1 ton pickup truck	100.00 per month
1 - GMC 1 ton flat bed truck	100.00 per month
1 - GMC 3/4 ton pick-up truck	100.00 per month
1 - Ford 1/2 ton pick-up truck	100.00 per month
	$1,400.00 per month
Total rental value 5 months	$7,000.00

(h) All materials and supplies required for operation of drills and trucks and for the handling, transporting and shipping of drill hole samples and concentrates — 12,000.00

(i) 1. Cost of loading, shipping and delivery to the project of 1-Hillman Prospector drill now at Nogales, Arizona. — 950.00

2. Cost of trucking and freight charges on drill hole samples from field to warehouse and from warehouse to the Gallagher Company at Salt Lake City. — 3,100.00

3. Rental of warehouse not owned - 10 months @ 50 — 500.00

4. Cost of charges by the Gallagher Company for concentrating and laboratory determinations on drill hole samples and concentrates, preparation of and shipment of samples to laboratories - Total estimated cost 23,000.00

5. Assaying costs - Total estimated — 7,500.00

Total estimated cost Item (i) — 35,050.00

SUPPLEMENTARY AGREEMENT TO MINING LEASE

THIS SUPPLEMENTARY AGREEMENT, Made and entered into this 31st day of Julh, 1951, by and between ROBERT L. WILSON, A. W. KIMBALL, ROBERT R. JOHNSON, for themselves, and EARL KIMBALL, MINDA KIMBALL, HARMON KIMBALL AND VELDORA KIMBALL, husband and wife, ELLEN M. WILSON, FRANCES ROBERTA WILSON, GRACE ELEANOR CANTRALL and ALVINA A. JOHNSON, by Robert L. Wilson, A. W. Kimball and Robert R. Johnson, their attorneys-in-fact, hereinafter referred to as lessors, and PORTER BROS. CORPORATION, a corporation organized and existing under and by virtue of the laws of the State of Delaware, and duly qualified to do business in the State of Idaho by virtue of full and complete compliance with the laws of the State of Idaho relative to foreign corporations doing business in Idaho, and whose post office address is 411 Paulsen Building, Spokane 8, Washington, hereinafter referred to as lessee,

W I T N E S S E T H:

WHEREAS, under date of June 13th, 1951, the lessors made a Mining Lease to the lessee covering certain unpatented placer mining claims located in Bear Valley, Valley County, Idaho and more particularly described in the certificates of location thereof recorded in the office of the County Recorder of Valley County, Idaho in Book 5 of Placer Mining records on the pages designated on pages 3 and 4 of the original Mining Lease between the parties hereto; and,

WHEREAS, it is provided in said original Mining Lease in

Section 4 on page 8 thereof that the lessee shall have the right and privilege to enter upon said leased premises and make certain tests during a period extending to August 1st, 1951; and,

WHEREAS, It is provided in said original Mining Lease in Section 7 on page 10 thereof that the lessors shall have delivered to the lessee an abstract of title covering said premises and that the lessee shall have to and including the 1st day of August, 1951 in which to determine whether the possessory title of the lessors in and to said premises is satisfactory; and,

WHEREAS, it is provided in said original Mining Lease in Section 8 on page 10 thereof that the lessee, after prospecting and testing said leased premises and after examination of the abstract of title, shall, if it elects to proceed further under the lease, on or before August 1, 1951 give the lessors written notice of its election to do so and pay to the lessors the sum of Six Thousand Dollars ($6,000.00), which election and payment shall extend the right of the lessee under said Mining Lease to January 1st, 1952, and which said date of payment is referred to in the second portion of Section 7 appearing on page 10 of said Mining Lease; and,

WHEREAS, the lessee has entered upon said premises and has been conducting tests as rapidly as possible but will be unable to complete the same by August 1st, 1951 and whereas it was contemplated that the United States Government would also be in the area making tests and would make the results of said

tests known to the lessee but the United States Government has failed up to this time to make such tests; and whereas further time is needed by the lessee to complete its preliminary testing work and whereas the lessee desires an extension of time within which to complete its testing work, examine abstract of title and make its first payment of Six Thousand Dollars ($6,000.00) in the event it desires to continue operations on the premises, and whereas it is also the desire of the lessors to grant such extension of time to the lessee to permit the lessee to complete its tests;

NOW, THEREFORE, in consideration of the sum of Ten Dollars ($10.00) and other valuable consideration by the lessee to the lessors in hand paid, the receipt whereof is hereby acknowledged, and in consideration of the covenants and agreements herein contained, on the part of the respective parties to be done and performed, each the lessors and lessee agrees as follows:

That the original Mining Lease dated June 13th, 1951 and entered into on that date between the lessors and the lessee be amended as follows:

"SECTION 4 (page 8):

Lessee shall, from the date hereof, have the right and privilege to enter upon said leased premises and test the same for placer gold and other minerals, ores, values and metals, by drilling holes, sinking shafts, or otherwise, upon said lands during a period extending to October 1st, 1951. Said right of prospecting may be continued by Lessee for the period herein provided for by Lessee complying with the terms and

conditions herein set forth.

When said testing and prospecting is completed, all drill holes, shafts and excavations shall be left in a reasonably safe condition.

SECTION 7 (page 10):

It is agreed that the lessors have ordered an abstract of title covering the said demised premises and that the same will be delivered to the Lessee at the earliest possible date, and that the Lessee shall have the same examined by its Attorney or Attorneys, and that the Lessee shall on or before October 1st, 1951, decide and determine as to whether the possessory title of the Lessors in and to the said demised premises is satisfactory to the Lessee.

It is agreed that the Lessee has or will pay for the cost of said abstract of title for the said leased premises, and in the event that it elects to make payment hereinafter called for on or before October 1st, 1951, that the Lessee shall receive credit for said payment for the cost of said abstract of title, and in the event it elects not to make said payment and not to proceed hereunder that it shall bear the entire cost and expense of said abstract of title, but shall deliver the same to the Lessors.

SECTION 8 (Page 10):

If Lessee, after prospecting and testing said leased premises, and after examination of the abstract of title shall elect to proceed further under this lease, it shall on or before October 1st, 1951, give Lessors written notice of

its election so to do, and shall pay to the Lessors the sum of Six Thousand Dollars ($6,000.00) and upon the payment of said sum shall have the right thereafter to continue to prospect, test, mine and dredge said property, but not beyond January 1, 1952.

If the Lessee, on or before January 1, 1952, elects to continue its operations hereunder it shall notify the Lessors in writing of such election, and shall on or before said date pay to the Lessors the additional sum of Nineteen Thousand Dollars ($19,000.00), and then, but not otherwise, the said Lessee may proceed to continue its prospecting, testing and mining operations under the terms and conditions herein provided."

In all respects other than those amended hereby, the original Mining Lease entered into between the parties on June 13, 1951 is in full force and effect.

IN WITNESS WHEREOF, the parties have hereunto subscribed their names as of the day and year herein first above written.

Robert L. Wilson
Robert L. Wilson

A. W. Kimball
A. W. Kimball

Robert R. Johnson
Robert R. Johnson

and

Earl Kimball
Earl Kimball

Minda Kimball
Minda Kimball

Harmon Kimball
Harmon Kimball

Veldora Kimball
Veldora Kimball

5-pho

Ellen M. Wilson
Ellen M. Wilson

Frances Roberta Wilson
Frances Roberta Wilson

Grace Eleanor Cantrall
Grace Eleanor Cantrall

Alvina A. Johnson
Alvina A. Johnson

BY:

Robert L. Wilson
Robert L. Wilson

A. W. Kimball
A. W. Kimball

Robert R. Johnson
Robert R. Johnson
THEIR ATTORNEYS-IN-FACT

LESSORS

PORTER BROS. CORPORATION, a corporation

By R. P. Porter
R. P. Porter, President

(SEAL)

ATTEST:

D. L. Skidmore
D. L. Skidmore, Secretary

6-pho

STATE OF IDAHO,)
) ss.
COUNTY OF VALLEY,)

On this 31st day of July, in the year 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared Robert L. Wilson, A. W. Kimball, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

s/s H. N. McMaster
Probate Judge
(SEAL) Residing at Cascade, Idaho

STATE OF WASHINGTON,)
) ss:
COUNTY OF SPOKANE,)

On this 6th day of August in the year 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared R. P. Porter, known to me to be the President of the corporation that executed the foregoing instrument, and acknowledged to me that such corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

/s/ Nelson D. Repsold
(SEAL) Notary Public for Washington
Residing at Spokane, Washington

STATE OF MONTANA,)
) ss.
COUNTY OF MISSOULA,)

On this 2nd day of August, 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared ROBERT R. JOHNSON, known to me to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

Elsie E. Hartley
Notary Public for the State of Montana,
Residing at Missoula, Montana

Notary Public for the State of Montana
Residing at Missoula, Montana
My commission Expires Mar. 31, 1953

(SEAL)

CONTRACT MODIFYING MINING LEASE

Between: EARL KIMBALL, an unmarried man, A. W. KIMBALL and MINDA KIMBALL, husband and wife, HARMON KIMBALL and VELDORA KIMBALL, husband and wife, ROBERT L. WILSON, sometimes known as Robt. L. Wilson, and ELLEN M. WILSON, husband and wife, FRANCES ROBERTA WILSON, sometimes known as Roberta Wilson, a single woman, and GRACE ELEANOR CANTRALL, sometimes known as Grace Cantrall, an unmarried woman, all of Cascade, Idaho; and ROBERT R. JOHNSON, sometimes known as Bob Johnson, and ALVINA A. JOHNSON, husband and wife, of Missoula, Montana,
as

LESSORS,

and

PORTER BROS. CORPORATION, a Delaware corporation,
Address: 411 Paulsen Bldg., Spokane 8, Wash.,
as

LESSEE,

THIS AGREEMENT, Made the 1st day of October, 1951, by and between EARL KIMBALL, an unmarried man, A. W. KIMBALL and MINDA KIMBALL, husband and wife, HARMON KIMBALL and VELDORA KIMBALL, husband and wife, ROBERT L. WILSON, sometimes known as Robt. L. Wilson, and ELLEN M. WILSON, husband and wife, FRANCES ROBERTA WILSON, sometimes known as Roberta Wilson, a single woman, and GRACE ELEANOR CANTRALL, sometimes known as Grace Cantrall, an unmarried woman, all of Cascade, Valley County, Idaho, and ROBERT R. JOHNSON, sometimes known as Bob Johnson, and ALVINA A. JOHNSON, husband and wife, of Missoula, Montana, Parties of the

First Part, hereinafter referred to and designated as "Lessors", and the PORTER BROS. CORPORATION, a corporation organized and existing under and by virtue of the laws of the State of Delaware, and duly qualified to do business in the State of Idaho by virtue of full and complete compliance with the laws of the State of Idaho relative to foreign corporations doing business in Idaho, and whose post office address is 411 Paulsen Building, Spokane 8, Washington, Party of the Second Part, hereinafter referred to and designated as "Lessee",

W I T N E S S E T H:

WHEREAS, under date the 13th day of June, 1951, Mining Lease was made and entered into by and between the said lessors and lessee covering those certain placer mining claims located in Bear Valley, Valley County, Idaho, and more fully described in the certificates of location thereof recorded in the office of the County Recorder of Valley County, Idaho, in Book 5 of Placer Mining Records, and at the pages hereinafter designated, which said mining claims are listed and designated as follows, the figures opposite the name of each claim designating the page or pages in said Book 5 of said Placer Mining Records where the certificate of location of said claim is recorded, and the word "original" above the left-hand column indicating the original certificate of location and the word "amended" above the right-hand column indicating an amended certificate of location, and the names of the claims and the pages at which

said location certificates are recorded in said Book 5 of Placer Mining Records being as follows:

CLAIMS	ORIGINAL PLACER	ORIGINAL BOOK	ORIGINAL PAGE	AMENDED PLACER	AMENDED BOOK	AMENDED PAGE
Atom Bomb	"	5	177			
Bear Valley No. 1	"	5	580	"	5	69
Bear Valley No. 2	"	5	581	"	5	70
Bear Valley No. 3	"	5	582	"	5	72
Bear Valley No. 4	"	5	583	"	5	73
Bear Valley No. 5	"	5	584	"	5	74
Bear Valley No. 6	"	5	600	"	5	78
Bear Valley No. 7	"	5	601	"	5	79
Bear Valley No. 8	"	5	602	"	5	80
Bear Valley No. 9	"	5	603	"	5	82
Bear Valley No. 10	"	5	604	"	5	83
Bear Valley No. 11	"	5	605	"	5	84
Bear Valley No. 12	"	5	606	"	5	86
Bear Valley No. 13	"	5	607	"	5	87
Bear Valley No. 14	"	5	608	"	5	88
Bear Valley No. 15	"	5	195			
Bear Valley No. 16	"	5	196			
Buzzard	"	5	185			
Cache Creek	"	5	176			
Canyon	"	5	184			
Cub Creek	"	5	186			
Cook Creek	"	5	170			
Duke	"	5	182			
Elk Creek	"	5	169			
Frosty	"	5	179			
Lot 4	"	5	183			
Pole Creek	"	5	171			
Sack Creek	"	5	178			
Sheep Trail Creek	"	5	181			
South Forty	"	5	172			
Transfer	"	5	180			
White Hawk No. 1	"	5	609	"	5	76
White Hawk No. 3	"	5	197			
White Hawk No. 4	"	5	198			

and which said Mining Lease covers all of the "leased premises" to which reference is therein made;

And, WHEREAS, under date the 31st day of July, 1951, the said lessors and lessee made and entered into Supplementary Agreements to said Mining Lease supplementing and amending certain of the provisions thereof;

And, WHEREAS, the parties hereto have mutually agreed to further supplement and modify such Mining Lease in the manner and particulars hereinafter set forth;

NOW, THEREFORE, IT IS MUTUALLY AGREED That for and in consideration of the sum of Ten Dollars ($10.00) by the lessee to the lessors in hand paid, the receipt whereof is hereby acknowledged, such Mining Lease is supplemented and modified in the following particulars and respects:

The "leased premises" covered by said Mining Lease are hereby made to include, in addition to all other premises covered thereby, the BRIDGE Placer Mining Claim, the location notice of which is recorded in the office of the County Recorder of the County of Valley, State of Idaho, in Book 5 of Placer Mining Records at page 490 and the description in said record is hereby by this reference incorporated herein and said record is hereby referred to for a more particular description of said claim, and the parties hereto agree that such claim shall be covered by said Mining Lease and all agreements supplementary thereto, including this agreement, to the same extent and effect as though originally contained in and covered by such Mining Lease at the time of the execution and delivery thereof.

The sum of Six Thousand Dollars ($6,000.00) provided by such Mining Lease and Supplementary Agreement to be paid on or before October 1, 1951, by the lessee to the lessors has been paid, and the receipt thereof is hereby acknowledged, and the notice in writing of the election of the lessee to proceed under the terms of said Mining Lease and Supplementary Agreement

to be given to the lessors on or before October 1, 1951 has been given, and the receipt of such notice is hereby acknowledged.

The time specified in said Mining Lease and Supplementary Agreement, namely, January 1, 1952, within which the lessee is required thereby, should it elect to continue its operations thereunder, to notify the lessors in writing of such election and to pay the additional sum of Nineteen Thousand Dollars ($19,000.00) as a condition to the right of the lessee to proceed to continue its prospecting, testing and mining operations under the terms and conditions of said Mining Lease and Supplementary Agreement, is hereby extended and continued to the 1st day of January, 1953. Said sum of Nineteen Thousand Dollars ($19,000.00) when paid shall be paid to the lessors by depositing the same to their credit in the McCall Branch of The Idaho First National Bank, at McCall, Idaho.

All provisions of said Mining Lease for payment by lessee to lessors of "Guaranteed Annual Royalty" in the amount of One Hundred Thousand Dollars ($100,000.00) per year, and all agreements in said Mining Lease with reference to such "Guaranteed Annual Royalty", are hereby extended and continued for the period of one (1) year and the provisions of such Mining Lease with reference to such guaranteed annual royalty shall take effect and become operative under the terms thereof in the year 1953 and not sooner;

In the event the lessee shall commence and in good faith continue the installation and construction of a dredge at or

upon the "leased premises" in the year 1953, then all provisions of said Mining Lease for payment by lessee to lessors of "Guaranteed Annual Royalty" in the amount of One Hundred Thousand Dollars ($100,000.00) per year and all agreements in said Mining Lease with reference to such guaranteed annual royalty shall be thereby automatically extended and continued for the further period of one (1) year and the provisions of such Mining Lease with reference to such guaranteed annual royalty shall take effect and become operative under the terms of such Mining Lease in the year 1954 and not sooner;

In the event the "Mining Royalty" paid during the first year of the operation of a dredge on said leased premises shall not equal the "Guaranteed Annual Royalty" of One Hundred Thousand Dollars ($100,000.00) paid on or before December 31st in such year, then the amount which the lessee shall pay in addition to such mining royalty to make up said sum of One Hundred Thousand Dollars ($100,000.00) as guaranteed annual royalty shall be recouped and retained by lessee from any mining royalty in excess of One Hundred Thousand Dollars ($100,000.00) payable in the next succeeding calendar year. After said amount shall be recouped the balance of the mining royalty earned during such next succeeding year, if any, shall be paid over to the lessors.

If and in the event the production of uranium from the said leased premises shall be suspended or prohibited by any law or order of the United States of America or any of its agencies, or by the State of Idaho or any of its agencies, or in the event

the legitimate market for uranium shall be so curtailed or suspended as to substantially impair the salability of the uranium to be produced from said leased premises, and in any such event, then such Mining Lease shall be extended beyond the term therein set forth for the added period of time covered by such suspension or curtailment. In any calendar year in which such suspension or curtailment shall be in effect the "Mining Royalty" only need be paid.

Nothing herein contained shall change nor affect such Mining Lease nor Supplementary Agreement in any other part than is provided herein and such Mining Lease and Supplementary Agreement and the covenants and agreements therein shall remain in full force and effect as modified by this agreement.

All of the terms and conditions of said Mining Lease and Supplementary Agreement are hereby affirmed by each and all of the parties hereto as modified by this Modification Agreement.

IN WITNESS WHEREOF, the lessors have hereunto set their hands and the lessee has hereunto caused its corporate name to be subscribed by its President and Secretary first hereunto duly authorized by resolution of its board of directors, all as of the day and year herein first above written.

Earl Kimball

A. W. Kimball

Minda Kimball

Harmon Kimball

Veldora Kimball

Robert L. Wilson

Ellen M. Wilson

Frances Roberta Wilson

By:

Robert L. Wilson, HER ATTORNEY-IN-FACT

Grace Eleanor Cantrall

Robert R. Johnson

Alvina A. Johnson

LESSORS

PORTER BROS. CORPORATION

By

R. P. Porter, President

ATTEST:

D. L. Skidmore, Secretary

LESSEE

8-pho

STATE OF IDAHO,)
) ss.
COUNTY OF VALLEY,)

On this 5 day of October, in the year 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared Earl Kimball, an unmarried man, A. W. Kimball and Minda Kimball, husband and wife, Robert L. Wilson, sometimes known as Robt. L. Wilson, and Ellen M. Wilson, husband and wife, and Grace Eleanor Cantrall, an unmarried woman, sometimes known as Grace Cantrall, known to me to be the persons whose names are subscribed to the within and foregoing instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

J. C. Lefever
Notary Public for Idaho
Residing at Cascade, Idaho
My comm. expires: 5-1-52

STATE OF IDAHO,)
) ss.
COUNTY OF VALLEY,)

On this 5 day of October, in the year 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared Robert L. Wilson, known to me to be the person whose name is subscribed to the within instrument as Attorney-in-Fact for Roberta Wilson, and acknowledged to me that he subscribed the name of Frances Roberta Wilson thereto as principal, and his own name as Attorney-in-Fact.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

J. C. Lefever
Notary Public for Idaho,
Residing at Cascade, Idaho
My comm. expires: 5-1-52

STATE OF IDAHO,)
) ss.
COUNTY OF IDAHO,)

On this 4th day of October, in the year 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared Harmon Kimball and Veldora Kimball, husband and wife, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

J. E. Graham
Notary Public for Idaho,
Residing at Grangeville, Idaho.
My comm. expires: June 1, 1954

STATE OF Montana,)
COUNTY OF Missoula,) ss

On this 9th day of October, in the year 1951, before me, the undersigned, a Notary Public in and for said County and State, personally appeared Robert R. Johnson, sometimes known as Bob Johnson, and Alvina A. Johnson, husband and wife, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

Elsie E. Hartley
Notary Public for the County of
Missoula, State of Montana
Residing at Missoula, Montana
My comm. expires: March 31, 1953

STATE OF IdAHO)
) ss.
COUNTY OF ADA)

On this 13th day of October, in the year 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared R. P. Porter and D. L. Skidmore, known to me to be the President and Secretary, respectively, of Porter Bros. Corporation, the corporation that executed the foregoing instrument, and acknowledged to me that such corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

Ferne Witt
Notary Public for the State of Idaho
Residing at Boise, Idaho
My comm. expires: 4/8/54

MF-200
(June 1951)

Docket No. DMA 1899
Commodity Monazite
Cb, U

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT [1]

It is agreed this _____ day of _____, 195__, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2] Porter Brothers Corp. (Incorporated)
411 Paulson Building
Spokane 1, Washington

hereinafter called the "Operator," as follows:

1. *Authority for contract.* This agreement is entered into under the authority of the Defense Production Act of 1950, pursuant to Mineral Order 5, entitled "Regulations Governing Government Aid in Defense Exploration Projects."

2. *Operator's property rights.* The exploration project shall be conducted on that certain property situated in the State of Idaho, County of Valley described as follows: [3] 34 placer mining claims located in Sections 2,3,10,15,22 of T11N, R8E; Sections 25,34,35,36 of T12N, R8E; Sections 3,4,9,10,16,17,20,29,30 of T12N, R9E; Sections 23,24,26,27,34,35 of T13N, R9E; all of the Boise Meridian and recorded in Book 5 of Placer Mining Records in the office of the County Recorder, with names and description on attached "Annex".

with respect to which the Operator represents and undertakes: [4]

(*a*) That he is the sole owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached: _____

(*b*) That he is a lessee, in possession and entitled to possession, and the subordination agreement of the lessor is attached.

3. *Exploration project.* The Operator, within thirty days from the date of this contract shall commence work on a project of exploration for [5] Monazite, Columbium, Uranium; shall prosecute the work efficiently, expertly, in a workmanlike manner, in accordance with good mining standards, with suitable and adequate equipment, materials, and labor, all properly designed to bring the project to completion within a period of [6] two years from the date of this contract. The exploration project and the work to be performed are more fully described on Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, is made a part of this contract.

4. *Performance of the work.* The work shall be performed by the Operator, under his sole direction and control: *Provided,* That with the consent of the Government and its written approval of the contract or contracts, all or any part of the work may be performed by the Operator through contract or contracts with independent contractors. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

5. *Fixtures and improvements.* The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof. Any additional facilities, buildings, and fixtures, to be purchased, installed, or erected by the Operator, with the estimated cost of each, to which the Government will contribute currently its agreed pro rata share, are listed in Exhibit "A" attached hereto. The difference between the cost of such additional facilities, buildings, or fixtures, and the salvage value thereof at the conclusion of the work, shall be charged as a cost of the project to which the Government has contributed its pro rata share.

6. *Operating equipment.* Any operating equipment to be rented, purchased, or furnished by the Operator, with the allowable rental, purchase price, or depreciation, as the case may be, is listed under appropriate headings in Exhibit "A" attached hereto. As to equipment purchased for the project, the Government will contribute its agreed pro rata share of the cost thereof, and the difference between the cost and the salvage value at the conclusion of the work shall be charged as a cost of the project to which the Government has contributed its pro rata share.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property.
[4] Strike out the provision not applicable.
[5] Name of mineral.
[6] Not in excess of 2 years.

7. *Title to and disposition of property.* All facilities, buildings, fixtures, equipment, or other items costing more than $50 each, paid for or purchased with funds contributed jointly by the Operator and the Government, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the termination of the contract, if they have any salvage value, shall be disposed of for their joint account unless the Government, in writing, waives its interest in any such items. The Government may require the dismantling, severance from land, and removal of any such items in order to realize its interest in the salvage value thereof, and the cost of any such removal and of the disposal of the items shall be for the joint account of the parties in proportion to their respective interests.

8. *Labor and supervision.* An itemized schedule of labor, by numbers and classes (miners, muckers, millmen, etc.), and of supervisors, by numbers and positions, with the maximum wages or salaries that may be paid to each as an allowable cost of the project is set forth in Exhibit "A" attached hereto.

9. *Rehabilitation and repairs.* A statement of the cost of any necessary rehabilitation or repairs to put existing facilities, buildings, installations, and fixtures into useful and operable condition and which are to be allowed as costs of the project is included in Exhibit "A."

10. *Allowable costs of the project.* The costs of the project in which the Government will participate are limited to the necessary, reasonable, direct costs of performing the exploration work, including the costs of materials, supplies, engineering, power, water, analytical work, accounting, and utilities, including items of equipment costing less than $50 each; and the costs referred to in Articles 5, 6, 8, and 9, and the exhibits annexed to and referred to in this contract. Although the Government may pay part of the cost of new or additional facilities, structures, buildings, and equipment, only the depreciation on such items, computed as indicated in Articles 5 and 6, will be charged as a cost of the project. No items of general overhead, corporate management, interest, taxes, or any other indirect costs not expressly allowed by these provisions, or work performed or costs incurred before the date of this contract, shall be allowed as costs of the project in which the Government will participate.

11. *Accounts and audits.* The Operator shall keep suitable records and accounts of operations, which the Government may inspect and audit at any time. The Government may at any time require an audit of the Operator's records and accounts by a certified public accountant, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract.

12. *Progress reports.* The Operator shall provide the Government with monthly reports of work performed under the contract upon forms to be provided by the Government. Each monthly progress report shall bear the certification of the Operator and shall constitute the Operator's invoice of costs incurred on the project during the period covered by the report.

13. *Payment to the Operator.* The monthly progress report (invoice), to the extent approved by the Government, shall be processed for payment by the Government. Payment shall be made in the amount of 90 percent of the approved costs incurred; *Provided,* That the aggregate total of all sums paid by the Government under this agreement shall not exceed $80,265.60, which is 90 percent of the agreed estimated total cost of this project, $89,184.00.

14. *Final reports by Operator.* Upon completion of the project or termination of this contract, the Operator shall provide the Government with a comprehensive geologic and engineering report, including an estimate of ore reserves, to the best of his ability. Four copies of all reports shall be furnished to the Government.

15. *Repayment by Operator.* If, upon the completion of the exploration project or termination of the contract, the Government considers that a discovery or development has resulted from the work from which commercial production of ore may be made, the Government, within 6 months thereafter, shall so certify to the Operator, particularly describing and delimiting its estimate of the discovery or the development. Thereafter, if and as ore is produced as a result of such discovery or development, the Operator and his successor in interest shall be and become obligated to pay to the Government a percentage royalty on the net smelter returns or other net proceeds realized from such ore, concentrates, or metal produced within ten (10) years from the date of this contract, until the total amount contributed by the Government, without interest, is fully repaid or said 10 years have elapsed, whichever occurs first, as follows:

Of net smelter returns or other net proceeds not in excess of eight dollars ($8,00) per ton of ore: One and one-half (1½) percent.

Of net smelter returns or other net proceeds in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent, plus one-half (½) percent for each additional full fifty cents ($0.50) in excess of eight dollars ($8.00) per ton of ore, but not in excess of a maximum of five (5) percent.

This obligation to repay from net returns or proceeds shall be and remain a claim and lien upon the mineral deposit which is the subject of the exploration project and upon any production resulting from such discovery or development, in favor of the Government, until fully paid, or until said 10-year period has elapsed; and this claim and lien and the Government's right to repayment shall survive any termination of the contract, whether by completion of the exploration project or otherwise. This article is not to be construed as imposing any obligation on the Operator or his successor in interest to produce ore from any such discovery or development.

16. *No assignment of contract.* Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder.

17. *Termination and completion.* The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worthwhile discovery and in the opinion of the Government further operations are not justified. Upon the completion of the project or any termination of the contract the Operator shall render to the Government a full and final accounting of his operations under the contract and his expenditures of money; shall dispose of any unused materials, supplies, and equipment for the joint account of the Operator and the Government in the proportion of their respective interests; and shall pay to the Government its pro-rata share of any money remaining.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

Porter Brothers Corp. (Incorporated)
(Operator)

By _____

Acting Administrator, DMEA

By _____

U. S. GOVERNMENT PRINTING OFFICE 16—64066-2

MF-200
(June 1951)

Docket No. DMA .....
Commodity Manganese
Cb. 4.

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT [1]

It is agreed this ..... day of ....., 195..., between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2] Porter Brothers Corporation (incorporated), 411 Paulsen Building, Spokane 1, Washington.

hereinafter called the "Operator," as follows:

1. *Authority for contract.* This agreement is entered into under the authority of the Defense Production Act of 1950, pursuant to Mineral Order 5, entitled "Regulations Governing Government Aid in Defense Exploration Projects."

2. *Operator's property rights.* The exploration project shall be conducted on that certain property situated in the State of Idaho, County of Valley described as follows: [3] 34 placer mining claims located in Sections 2, 3, 10, 15 of T 11 N, R 8 E; Sections 26, 30, 34, 35, 36 of T 12 N, R 8 E; Sections 3, 4, 9, 10, 16, 17, 20, 29 of T 12 N, R 9 E; Sections 23, 24, 26, 27, 34, 35 of T 13 N, R 9 E; all of the Boise Meridian and recorded in Book 5 of Placer Mining Records in Office of County Recorder, with names and description on attached "Group 17".

with respect to which the Operator represents and undertakes: [4]

(*a*) That he is the sole owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached: X X X X X X X

(*b*) That he is a lessee, in possession and entitled to possession, and the subordination agreement of the lessor is attached.

3. *Exploration project.* The Operator, within Ninety days from the date of this contract shall commence work on a project of exploration for [5] Manganese, columbium, tantalum; shall prosecute the work efficiently, expertly, in a workmanlike manner, in accordance with good mining standards, with suitable and adequate equipment, materials, and labor, all properly designed to bring the project to completion within a period of [6] Two years from the date of this contract. The exploration project and the work to be performed are more fully described on Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, is made a part of this contract.

4. *Performance of the work.* The work shall be performed by the Operator, under his sole direction and control: *Provided,* That with the consent of the Government and its written approval of the contract or contracts, all or any part of the work may be performed by the Operator through contract or contracts with independent contractors. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

5. *Fixtures and improvements.* The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof. Any additional facilities, buildings, and fixtures, to be purchased, installed, or erected by the Operator, with the estimated cost of each, to which the Government will contribute currently its agreed pro rata share, are listed in Exhibit "A" attached hereto. The difference between the cost of such additional facilities, buildings, or fixtures, and the salvage value thereof at the conclusion of the work, shall be charged as a cost of the project to which the Government has contributed its pro rata share.

6. *Operating equipment.* Any operating equipment to be rented, purchased, or furnished by the Operator, with the allowable rental, purchase price, or depreciation, as the case may be, is listed under appropriate headings in Exhibit "A" attached hereto. As to equipment purchased for the project, the Government will contribute its agreed pro rata share of the cost thereof, and the difference between the cost and the salvage value at the conclusion of the work shall be charged as a cost of the project to which the Government has contributed its pro rata share.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property.
[4] Strike out the provision not applicable.
[5] Name of mineral.
[6] Not in excess of 2 years.

7. *Title to and disposition of property.* All facilities, buildings, fixtures, equipment, or other items costing more than $50 each, paid for or purchased with funds contributed jointly by the Operator and the Government, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the termination of the contract, if they have any salvage value, shall be disposed of for their joint account unless the Government, in writing, waives its interest in any such items. The Government may require the dismantling, severance from land, and removal of any such items in order to realize its interest in the salvage value thereof, and the cost of any such removal and of the disposal of the items shall be for the joint account of the parties in proportion to their respective interests.

8. *Labor and supervision.* An itemized schedule of labor, by numbers and classes (miners, muckers, millmen, etc.), and of supervisors, by numbers and positions, with the maximum wages or salaries that may be paid to each as an allowable cost of the project is set forth in Exhibit "A" attached hereto.

9. *Rehabilitation and repairs.* A statement of the cost of any necessary rehabilitation or repairs to put existing facilities, buildings, installations, and fixtures into useful and operable condition and which are to be allowed as costs of the project is included in Exhibit "A."

10. *Allowable costs of the project.* The costs of the project in which the Government will participate are limited to the necessary, reasonable, direct costs of performing the exploration work, including the costs of materials, supplies, engineering, power, water, analytical work, accounting, and utilities, including items of equipment costing less than $50 each; and the costs referred to in Articles 5, 6, 8, and 9, and the exhibits annexed to and referred to in this contract. Although the Government may pay part of the cost of new or additional facilities, structures, buildings, and equipment, only the depreciation on such items, computed as indicated in Articles 5 and 6, will be charged as a cost of the project. No items of general overhead, corporate management, interest, taxes, or any other indirect costs not expressly allowed by these provisions, or work performed or costs incurred before the date of this contract, shall be allowed as costs of the project in which the Government will participate.

11. *Accounts and audits.* The Operator shall keep suitable records and accounts of operations, which the Government may inspect and audit at any time. The Government may at any time require an audit of the Operator's records and accounts by a certified public accountant, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract.

12. *Progress reports.* The Operator shall provide the Government with monthly reports of work performed under the contract upon forms to be provided by the Government. Each monthly progress report shall bear the certification of the Operator and shall constitute the Operator's invoice of costs incurred on the project during the period covered by the report.

13. *Payment to the Operator.* The monthly progress report (invoice), to the extent approved by the Government, shall be processed for payment by the Government. Payment shall be made in the amount of 90 percent of the approved costs incurred; *Provided,* That the aggregate total of all sums paid by the Government under this agreement shall not exceed $80,265.60, which is 90 percent of the agreed estimated total cost of this project, $89,184.00.

14. *Final reports by Operator.* Upon completion of the project or termination of this contract, the Operator shall provide the Government with a comprehensive geologic and engineering report, including an estimate of ore reserves, to the best of his ability. Four copies of all reports shall be furnished to the Government.

15. *Repayment by Operator.* If, upon the completion of the exploration project or termination of the contract, the Government considers that a discovery or development has resulted from the work from which commercial production of ore may be made, the Government, within 6 months thereafter, shall so certify to the Operator, particularly describing and delimiting its estimate of the discovery or the development. Thereafter, if and as ore is produced as a result of such discovery or development, the Operator and his successor in interest shall be and become obligated to pay to the Government a percentage royalty on the net smelter returns or other net proceeds realized from such ore, concentrates, or metal produced within ten (10) years from the date of this contract, until the total amount contributed by the Government, without interest, is fully repaid or said 10 years have elapsed, whichever occurs first, as follows:

Of net smelter returns or other net proceeds not in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent.

Of net smelter returns or other net proceeds in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent, plus one-half (½) percent for each additional full fifty cents ($0.50) in excess of eight dollars ($8.00) per ton of ore, but not in excess of a maximum of five (5) percent.

This obligation to repay from net returns or proceeds shall be and remain a claim and lien upon the mineral deposit which is the subject of the exploration project and upon any production resulting from such discovery or development, in favor of the Government, until fully paid, or until said 10-year period has elapsed; and this claim and lien and the Government's right to repayment shall survive any termination of the contract, whether by completion of the exploration project or otherwise. This article is not to be construed as imposing any obligation on the Operator or his successor in interest to produce ore from any such discovery or development.

16. *No assignment of contract.* Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder.

17. *Termination and completion.* The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worthwhile discovery and in the opinion of the Government further operations are not justified. Upon the completion of the project or any termination of the contract the Operator shall render to the Government a full and final accounting of his operations under the contract and his expenditures of money; shall dispose of any unused materials, supplies, and equipment for the joint account of the Operator and the Government in the proportion of their respective interests; and shall pay to the Government its pro-rata share of any money remaining.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

(Operator)

By ----------

By ----------

U. S. GOVERNMENT PRINTING OFFICE 16—64066-2

80,265.60
8918.40
89,184.00

89,184.00
8918.40
80,265.60

T11N - R8E - 2, 3, 10, 22 ~~15~~

T12N - R8E - 25, 34, 35, 36

T12N - R9E - 3, 4, 9, 10, 16, 17, 20, 29, 30

T13N - R9E - 23, 24, ~~25~~, 26, 27, 34, 35, ~~36~~

ANNEX

CLAIMS	Placer Book	Original Page	Placer Book	Amended Page
Atom Bomb	5	177		
Bear Valley No. 1	5	580	5	69
Bear Valley No. 2	5	581	5	70
Bear Valley No. 3	5	582	5	72
Bear Valley No. 4	5	583	5	73
Bear Valley No. 5	5	584	5	74
Bear Valley No. 6	5	600	5	78
Bear Valley No. 7	5	601	5	79
Bear Valley No. 8	5	602	5	80
Bear Valley No. 9	5	603	5	82
Bear Valley No. 10	5	604	5	83
Bear Valley No. 11	5	605	5	84
Bear Valley No. 12	5	606	5	86
Bear Valley No. 13	5	607	5	87
Bear Valley No. 14	5	608	5	88
Bear Valley No. 15	5	195		
Bear Valley No. 16	5	196		
Buzzard	5	185		
Cache Creek	5	176		
Canyon	5	184		
Cub Creek	5	186		
Cook Creek	5	170		
Duke	5	182		
Elk Creek	5	169		
Frosty	5	179		
Lot 4	5	183		
Pole Creek	5	171		
Sack Creek	5	178		
Sheep Trail Creek	5	181		
South Forty	5	172		
Transfer	5	180		
White Hawk No. 1	5	609	5	76
White Hawk No. 3	5	197		
White Hawk No. 4	5	198		
Bridge	5	490		

EXHIBIT A

Exploration Project

Explore a large area of placer ground, where drilling has indicated the presence of monazite together with some columbium-tantalum and uranium bearing minerals, by drilling 115 churn drill holes of approximately 6" diameter and estimated average depth of 50 feet, for an estimated total of 5,750 feet of drill hole. Lines for the holes are to be approximately 1,500 feet apart, with holes spaced at 200 feet or more along the lines, as outlined on accompanying map. The minus 3/8" material from the 115 drill holes, together with similar material from 21 drill holes drilled on the site during preliminary exploration work, is to be sacked and shipped to the Galigher Company, Salt Lake City, for drying, concentration and testing, following which samples will be sent elsewhere for assaying. Allowance is made for assaying samples from all above mentioned work plus fourteen samples already processed by the Galigher Company. Snow must be cleared from the 72 mile road leading to the property to permit starting work as early as possible next season. No work is to be done on ground withdrawn by the Government from entry unless the withdrawal is revoked.

Time Schedule. It is estimated that 150 days or five months of field work plus a further three months to complete processing the drill-hole samples, a total of eight months, will be required to complete the project. However, because of extreme weather conditions, start of drilling might be delayed until after June 1, 1952, and completion of drilling only be possible in the 1953 season. Processing of samples

from the previously drilled holes may commence promptly. In view of the foregoing, it is proposed to start work promptly and to complete the project within two years following approval of the contract. Time schedule (tentative) is as follows:

First Quarter. (Actual working time). Start processing samples of drill-holes; drill approximately 69 drill holes.

Second Quarter. (Actual working time). Drill 46 drill-holes, completing drilling program; continue processing samples from drilling.

Third Quarter. (Actual working time). Complete processing drill-hole samples including assay thereof, submit report to Government with maps, logs of all drill-holes, all sample data and assay returns, and evaluation of results obtained.

Estimated Costs.

Labor and supervision, including payroll taxes and board.	$32,974.00
Housing and boarding facilities	3,500.00
Rental of warehouse, 10 mo. at $50 monthly	500.00
120 hours, bulldozing snow from road	1,800.00
Depreciation of equipment	3,860.00
Transport of Hillman drill, Arizona to drilling site	950.00
Materials and supplies for all field work	12,000.00
Preparation and shipping samples, field to the Galigher Company, Salt Lake City	3,100.00
Processing of samples by the Galigher Company	23,000.00
Assaying (Cb_2O_5-Ta_2O_5, etc.) approximately 150 samples at $50 each 42.00	7,500.00
TOTAL ESTIMATED COST OF PROJECT	$89,184.00

Fixtures and Improvements

Bunkhouse and boarding facilities	$ 3,500.00

Operating Equipment

To be rented.

D-8 Bulldozer, 120 hours at $15 per hour	1,800.00

To be supplied by operator.

1 Keystone #71 Drill, self-propelled on Caterpillar Tracks, including pipe, bits, tools and accessories	16,415.00
1 Hillman Prospector Drill, mounted on Studebaker 6 x 6 truck, including pipe, bits, tools and accessories	14,220.00
1 GMC 4-ton flat bed truck	3,250.00
1 International 2-1/2 ton flat bed truck, long wheel base	4,080.00
1 International 1-ton pickup truck	2,075.00
1 GMC 1-ton flat bed truck	2,490.00
1 GMC 3/4-ton pickup truck	1,905.00
1 Ford 1/2-ton pickup truck	1,880.00
TOTAL TO BE SUPPLIED BY OPERATOR	$46,315.00
Allowable depreciation, $772.00 per month for five months	3,860.00

To be purchased.

Not applicable.

Labor and Supervision

2 Drillers	$2.00 per hour, plus board
2 Drill helpers	1.50 per hour, plus board
2 Panners	1.75 per hour, plus board
4 General	1.50 per hour, plus board

Labor and Supervision (Continued)

1 Engineer - Supervisor	$500 per month, plus board
1 Clerk, part time, up to	300 per month

Rehabilitation and Repairs

Not applicable.

Exhibit A

Exploration Project

Upon a [illegible] acre ground, [illegible] has indicated the presence of monazite together with an [illegible] tantalum and uranium bearing minerals, by drilling 115 churn drill holes of approximately 6" diameter and estimated average depth of 50 feet for an estimated total of 5,750 feet of drill hole. Since the holes are to be approximately 1500 feet apart, with holes spaced at 200 feet or more along the lines, as indicated on accompanying maps. The minus 3/8" material from the churn drill holes, together with similar material from 11 drill holes drilled in the site during preliminary exploration work, is to be sacked and shipped to the Gallagher Company, Salt Lake City, for [illegible], concentration and testing, following which an [illegible] will be made [illegible] elsewhere for further samples for advanced assaying. Allowance is made for assaying samples from all abovementioned work plus further samples for advanced assaying, provided by the Gallagher Company. Snow must be cleared from the 72 mile road leading to the property to permit the work to be carried on as early as possible next season. Work is to be delayed on ground withdrawn by the Government from entry unless the withdrawal is revoked. 150 days per [illegible]

Time Schedule. It is estimated that [illegible] months of field work will be required to complete the [illegible], a total of eight months, will be required to complete the [illegible] because of extreme weather conditions, start of drilling might be delayed [illegible], and [illegible] only be possible in the [illegible] seasons. Processing of samples from the [illegible] drill holes can [illegible] the branch of the [illegible] it is proposed to utilize [illegible] and the [illegible] the [illegible] following [illegible] contract. [illegible] (Contractors) [illegible]

First Quarter (actual work in progress) - Start processing samples of drill holes; drill approximately 69 drill holes.

Second Quarter (actual work in progress) - Drill 46 drill holes, completing drilling program; continue processing samples from drilling.

Third Quarter (actual work in progress) - Complete processing drill holes samples including [illegible] of results; submit a report [illegible] with maps, the profile of the drilling, [illegible] of drilling [illegible], and evaluation of [illegible].

Estimated Costs

Labor and supervision, including payroll taxes and [illegible]	$32,974.00
Housing and travelling facilities	3,500.00
Rental of warehouse, 10 months at 050 monthly	500.00
Rental of [illegible] building near from [illegible]	1,800.00
Depreciation of equipment	3,260.00
Transport of Gillman drill, Arizona to [illegible]	750.00
Material and supplies for all field work	12,000.00
Preparation and shipping of samples to the Gahlgher Company laboratory	3,100.00
Processing of samples by the Gahlgher Company	[illegible]
Assaying, (Cb_2O_5-Ta_2O_5, etc.), approximately 150 samples at $50.00 each.	7,500.00
Total estimated cost of project	$89,184.00

Fixtures and Improvements

Bunkhouse and boarding facilities $3,500.00

Operating Equipment

To be rented

D-8 Bulldozer, 120 hours, $15.00 per hour $1,800.00

To be supplied by operator

1 - Maystone #71 Drill, etc. (Copy from letter)

$46,315.00

allowable depreciation, $772.00 per month, for five months, $3860.00

To be purchased

not applicable

Labor and Supervision

2 drillers	$2.00 per hour, plus board
2 drill helpers	1.50 per hour, plus board
2 pumpers	1.75 per hour, plus board
4 general	1.50 per hour, plus board
1 - Engineer-supervisor	$500.00 per month, plus board
1 - Clerk, partking, etc	$300.00 per month

Rehabilitation and Repairs

not applicable.

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. D.M.A. 1899

Commodity U, cb-ta, rare earths

Total Amount 50,000

Govt. Participation 90 percent

1. Name and Address of Applicant Porter Brothers Corporation

2. Location of Property Bear Valley, Valley County, Idaho

T 11, 12, and 13 N. R8 and 9E.

3. Mineral or metal _____ Is it listed in Section 9 of MO-5?

If not, application will be rejected.

4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good _____

b) Poor _____

c) None _____

d) Don't know—needs field examination ✓ Unless U. S. B. M. has complete data

e) Is there an alternative and favorable project? _____
(If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? _____
(question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached? _____

Does the lease have sufficient time to run to cover a future

productive period? _____

*question numbers are those of MF-103

7. Are subordination agreements necessary?_____

   a) MF-201?_____

   b) MF-202_____

8. From the data presented, does the proposed project appear feasible from the point of view of:

   a) Available manpower_____

   b) Equipment and supplies_____
      (Question 14 plus general knowledge of availability)*

   c) Accessibility (question 12)*_____

   d) Water (question 13)*_____

   e) Power (question 13)*_____

   Is a field check needed on any of these points?_____

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)*_____

   _____

   Is a field check needed on this point?_____

10. Exhibit A. (questions 21 and 22)*

   a) Is the project adequately described?_____

      If not, are there sufficient data given so that you can describe the project?_____ If so, attach a draft.

   b) Is there an adequate map or sketch of the proposed work?_____

      _____

   c) Is the proposed work "exploration" under the definition of Section 8, MO-5?_____

      If not, what part of it is?_____

      _____

      _____

      _____

Is this part a worthwhile exploration project?_____

d) Are the cost estimates detailed?_____

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data?_____ If so, attach a draft.

e) Are the cost estimates reasonable?_____

f) Should more information be requested from applicant?_____

g) Is a field examination necessary to complete Exhibit A?_____

11. Exhibit B (question 23-d)*

a) Is it applicable?_____

b) If so, are sufficient data furnished?_____ If so, attach a draft.

c) Is a field check needed?_____

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable?_____

b) Sufficient data?_____ If so, attach a draft.

c) Are rents and charges reasonable?_____

d) Is a field check needed?_____ _____

13. Exhibit D (question 23-a, b)*

a) Are there sufficient data?_____

b) Is the schedule adequate for the work proposed?_____

c) Is the schedule excessive for the work proposed?_____

d) Are the proposed wages and salaries reasonable?_____

e) Is a field check needed?_____

14. Exhibit E (question 23-c)*

a) Is it applicable?_____

b) Sufficient data?_____

c) Reasonable?_____

d) Field check needed?_____

15. In your judgment, can the proposed work be done in the proposed time?_____

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? ~~Is there hope of finding a deposit that will provide significant production?~~

Reviewed by: J. J. Norton

Date_____

INT.-DUP. SEC., WASH., D.C. 99009

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. D.M.A. 1899

Commodity U, cb-ta, rare earths

Total Amount 50,000

Govt. Participation 90 percent

1. Name and Address of Applicant Porter Brothers Corporation

2. Location of Property Bear Valley, Valley County, Idaho

T 11, 12, and 13 N. R8 and 9E.

3. Mineral or metal _____ Is it listed in Section 9 of MO-5?

If not, application will be rejected.

4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good _____

b) Poor _____

c) None _____

d) Don't know—needs field examination ✓ Unless U. S. B. M. has complete data

e) Is there an alternative and favorable project? _____
(If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? _____
(question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached? _____

Does the lease have sufficient time to run to cover a future

productive period? _____

*question numbers are those of MF-103

7. Are subordination agreements necessary?_____

   a) MF-201?_____

   b) MF-202_____

8. From the data presented, does the proposed project appear feasible from the point of view of:

   a) Available manpower_____

   b) Equipment and supplies_____
      (Question 14 plus general knowledge of availability)*

   c) Accessibility (question 12)*_____

   d) Water (question 13)*_____

   e) Power (question 13)*_____

   Is a field check needed on any of these points?_____

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)*_____

   _____

   Is a field check needed on this point?_____

10. Exhibit A. (questions 21 and 22)*

   a) Is the project adequately described?_____

      If not, are there sufficient data given so that you can describe the project?_____ If so, attach a draft.

   b) Is there an adequate map or sketch of the proposed work?_____

      _____

   c) Is the proposed work "exploration" under the definition of Section 8, MO-5?_____

      If not, what part of it is?_____

      _____

      _____

      _____

Is this part a worthwhile exploration project?_____

d) Are the cost estimates detailed?_____

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data?_____ If so, attach a draft.

e) Are the cost estimates reasonable?_____

f) Should more information be requested from applicant?_____

g) Is a field examination necessary to complete Exhibit A?_____

11. Exhibit B (question 23-d)*

a) Is it applicable?_____

b) If so, are sufficient data furnished?_____ If so, attach a draft.

c) Is a field check needed?_____

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable?_____

b) Sufficient data?_____ If so, attach a draft.

c) Are rents and charges reasonable?_____

d) Is a field check needed?_____ _____

13. Exhibit D (question 23-a, b)*

a) Are there sufficient data?_____

b) Is the schedule adequate for the work proposed?_____

c) Is the schedule excessive for the work proposed?_____

d) Are the proposed wages and salaries reasonable?_____

e) Is a field check needed?_____

14. Exhibit E (question 23-c)*

a) Is it applicable?_____

b) Sufficient data?_____

c) Reasonable?_____

d) Field check needed?_____

15. In your judgment, can the proposed work be done in the proposed time?_____

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? ~~Is there hope of finding a deposit that will provide significant production?~~

Reviewed by: J. J. Norton

Date_____

INT.-DUP. SEC., WASH., D.C. 99009

Jesse C. Johnson, Dir.
Div. of Raw Mtls.
A.E.C.
Wash. D.C.

the status of lessee & owner shall not be abridged by the acts of either party

Fissionable mtls act

Miss Phillips

318

Edwin E Spingarn
Gen'l. Counsel's office.

Paulus

Mr. R.F. Faulkner
685 A.E.C.

Orig. + 0
2 cys.

1/8/52

Federal Power Commission
Office of the Secretary
1800 Pennsylvania Ave.
Washington 25, D.C.

Ref: DMA Docket 1899
Porter Brothers Corp.
411 Paulsen Building
Spokane 8, Wash.
Exploration Application

Gentlemen:

The subject application concerns exploration for monazite, columbium-tantalum, and uranium in Bear Valley, Valley County, Ida. The proposed program has been reviewed ~~and favorably reported~~ by the interested agencies and favorably reported to this office for preparation of an exploration contract. All three of these commodities are strategic and this has some promise of becoming an important source of columbium-tantalum which are very rare.

It is highly desirable that this application be cleared promptly so exploration can be started as soon as snow conditions permit.

This is to petition that the right of mineral entry be granted for the land shown on the accompanying map and

list of claims.

Mr. M. P. Devine is familiar with the case and this office will be glad to cooperate in any way possible.

1899

Call Weissenborns attention to the special importance in this case of prompt termination in case parlings are poor. Saving in metallurgy + assaying will be nearly half of total.

Include – early processing of samples now on hand with prompt + complete report to DMA.

DMA 1899
Monazite

Exhibit A

Description of the Work

The project is intended to explore an area of placer ground for monazite as well as columbium-tantalum and uranium bearing minerals by drilling 115 churn drill holes approximately 16" in diameter to an estimated average depth of 50 feet. The holes are to be spaced 200 feet or more apart in lines approximately 1500 feet apart as indicated in red on the attached maps.

The minus 3/8" material from these holes together with similar material from 21 holes drilled on the site during preliminary exploration work is to be sacked and shipped to the Galigher Company Salt Lake City, Utah to be dried, concentrated and tested.

Samples from all the above holes plus 14 samples already processed by the Galigher Company are to be assayed. The 35 samples already

taken are to be treated and assayed without delay and the results in quadruplicate transmitted to the Defense Minerals Exploration Administration as soon as possible. A sample, one half pound if possible, of the concentrate from each hole, carefully labeled with hole number and pounds of concentrate per cubic yard is to be sent to Mitchell H. Kline, Acting Chief, SMIB, Bluemont, Va.

Snow is to be cleared from the 72 mile road leading to the property to permit starting work as early in the year as possible.

It is estimated that the field work can be done in five months and that three months more will be required to process and assay the samples. As weather conditions may prevent completion of the drilling in one season, the project is to be completed within two years from the date of the contract.

DMA 1899

Ex A
P-3

PORTER BROS. CORPORATION

411 PAULSEN BUILDING
SPOKANE 8, WASHINGTON

ROBERT P. PORTER, PRESIDENT
REUEL G. PHILLIPS, VICE-PRESIDENT
DAVID L. SKIDMORE, SECRETARY AND TREASURER

TELEPHONE
RIVERSIDE 0658

November 9, 1951

Mr. Weston G. Bourret, Chief
Minor and Rare Metals Branch
Defense Minerals Administration
Washington 25, D. C.

Re: DMA Docket-1899
Columbiam-tantalum
Uranium, Monazite,
rare earth ores.

Dear Mr. Bourret:

We submit herewith certain additional information in connection with our application for aid for the exploration project at Bear Valley, Idaho, under DMA Docket-1899.

Experience gained during the progress of the exploration work carried on by us this past season including laboratory research as well as actual drilling has indicated that the amount we originally estimated as being sufficient to carry out the program is entirely too low. We have thus far expended approximately $20,000 on the project and it can definitely be stated that there is a tremendous potential yardage of material in Bear Valley. Due to the fact that no deposit of this character has been found in this country and that no one has heretofore had any experience from which we could draw, it has been necessary for us to "pioneer" a great deal of the methods and procedures involved in handling the drill hole samples and performing the laboratory work.

We are planning under this proposal to complete the laboratory and assay work on the samples now on hand from this past season's drilling and to proceed next spring with a program designed to block out sufficient yardage to warrant installation of a dredge or dredges at an early date should the results warrant it.

As our original estimate of $50,000 is much too low to complete the project we request that it be revised to $92,000.

As you are aware, the Atomic Energy Commission is very much interested in this project and on our trip to New York this week we discussed the property and our program with Mr. Dean Frasche of Union Carbide and Carbon Company. Mr. Frasche has requested that we furnish him samples of our concentrates for assay. He stated that due to the presence of Columbium-tantalum in the material his company would be very much interested if a commercial deposit is indicated by the exploration work.

There is submitted herewith the following material:

1. Maps of the Bear Valley property on which the location of the drill holes completed is shown in black. The proposed location of 115 drill holes to be put down in 1952 is shown in red.

2. A tabulation consisting of 2 sheets showing the results of laboratory work thus far completed. The U_3O_8 and monazite determinations were furnished by Mr. M. H. Kline of SMI branch of the Bureau of Mines at Bluemont, Virginia. All other data shown was prepared by The Galigher Company at their Salt Lake City Laboratory.

3. Copy of letter dated September 6, 1951, from Molybdenum Corporation of America indicating results of their assays for Columbium-tantalum and titanium oxides on concentrate samples furnished by The Galigher Company.

4. Copy of letter dated October 2, 1951, from Vitro Chemical Company to The Galigher Company indicating results of their assays for U_3O_8 on concentrate samples submitted to them by The Galigher Company.

5. Copy of Supplementary agreement to Mining Lease dated the 31st day of July, 1951.

6. Copy of contract modifying mining lease dated the 1st day of October, 1951.

7. Supplemental information for Questions 7 and 9, Form MF-103.

8. Supplemental information for Question 10(a), Form MF-103.

9. Supplemental information for Question 21, Form MF-103 setting forth proposed additional work.

10. Revised estimate of Requirements and Costs.

We trust this information will be sufficient to expedite handling of our application in order that we may proceed immediately with the laboratory work and assaying and to prepare ourselves for the actual drilling in the field next spring. If any additional information is desired, please advise us and we will furnish it promptly.

We appreciate the courtesies extended us while in Washington and the cooperation of the various departments in assisting us in preparing this data.

Yours very truly,

PORTER BROS. CORPORATION

R. P. Porter

R. P. Porter
President

RPP:mel

Table No. 1

COPY

Hole No.	Lot No.	Test No.	Footage Tab.	Wt. in Lbs -3/8" +3/8"	Wt. in Lbs -3/8" +20 M	Wt. in Lbs -3/8" -20M	Wt. in Lbs -3/8" Total	% Wt. -3/8" +3/8"	% Wt. -3/8" +20 M	% Wt. -3/8" -20 M	-3/8" Feed to Screen Wt.	-3/8" Feed to Screen % of -3/
88-D	855-A	1	0'-21'	13.0	98.0	105.0	216.0	6.02	45.37	48.61	213.0	100.0
103-D	855-B	1	0'-18'	14.5	110.0	182.0	306.5	4.73	35.84	59.43	292.0	100.0
103-B	855-C	1	0'-18'	17.5	87.0	106.5	211.0	8.29	41.21	50.50	193.5	100.0
57-B	863-A	1	0'-24'	57.5	230.5	232.5	520.5	11.03	44.34	44.63	463.0	100.0
57-I	863-B	1	0'33'	79.5	293.0	395.0	767.5	10.37	38.14	51.49	688.0	100.0
57-K	863-C	1	0'31'	72.5	228.5	289.0	590.5	12.27	38.65	49.08	518.0	100.0
44-Q	867-A	1	0'-50'	131.5	414.5	462.5	1008.5	13.0	41.1	45.9	224.0	25.5
44-C	867-B	1	0'-82'	154.0	691.0	689.0	1534.0	10.1	45.0	44.9	348.5	25.2
44-J	867-C	1	0'-61'	111.0	470.0	433.5	1014.5	10.94	46.36	42.70	230.75	25.5
44-J	867-C	2	0'-61'	111.0	470.0	433.5	1014.5	10.94	46.36	42.70	221.0	24.5
44-J	867-D	1	61'-92'	76.0	245.5	267.0	588.5	12.9	41.7	45.4	257.0	50.2
44-2U	867-E	1	0'-88'	54.0	406.5	765.0	1225.5	4.41	33.19	62.4	289.25	24.7
44-2N	867-F	1	0'61'	34.0	368.5	591.5	994.0	3.42	37.10	59.48	299.5	31.2
44-2M	867-G	1	61'-105'	23.5	183.0	401.0	607.5	3.87	30.14	65.99	294.0	50.5
44-2G	867-H	1	0'-795'	72.5	492.5	803.9	1368.9	5.30	36.0	58.7	328.8	25.4
44-2T	867-I	1	0'-81'	67.5	474.0	872.5	1414.0	4.77	33.50	61.73	328.0	24.4

Holes 88-D, 103-D, 103-B - Plus 3/8" fraction actually plus 1/2"

Table No. 2

C O P Y

Hole No.	Test No.	Wt. of Con. Prod.	Wt. of Con from Hole (calc)	Con % Total Wt.	Con lbs/yd.	Con U_3O_8%	lbs. U O per yd.	lbs. Monazite per cu. yd.
88-D	1	2.464	2.464	1.1411	30.8	0.012	0.0037	1.03
103-D	1	4.572	4.572	1.490	40.23	0.043	0.0173	1.92
103-B	1	2.785	2.785	1.320	35.64	0.043	0.0153	1.63
57-D	1	5.108	5.108	0.981	26.49	0.011	0.0029	0.77
57-I	1	8.059	8.059	1.050	28.35	0.022	0.0061	1.36
57-K	1	5.892	5.892	0.997	26.92	0.026	0.0050	0.84
44-Q	1	2.296	8.99	0.892	24.08	0.019	0.0046	0.50
44-C	1	2.738	10.83	0.706	19.06			0.42
44-J	1	1.637	6.215	0.613	16.55			0.38
44-J	2	1.505	6.150	0.606	16.36			
44-J	1	1.580	3.150	0.535	14.44	0.029	0.0042	0.49
44-2U	1	2.251	9.135	0.745	20.11	0.020	0.0040	0.53
44-2N	1	1.938	6.210	0.625	16.87	0.017	0.0029	0.42
44-2N	1	3.142	9.120	1.502	40.55			1.01
44-2G	1	2.891	11.390	0.832	22.46			
44-2Y	1	3.317	13.600	0.964	26.03			

Wt. of Conc. Produced is weight of conc obtained from tabling the -20 mesh portion of the -3/8" feed to screen (Table No. 1)

* If all the radioactivity were attributed to monazite.

C O P Y

MOLYBDENUM CORPORATION OF AMERICA
Washington
Pennsylvania

September 6, 1951

E. A. Lucas
Executive Vice President

Porter Bros. Corporation
41 Paulsen Building
Spokane, Washington

Gentlemen:

We now report as follows on samples received from you and referred to in wires of 8/20 and 8/21:

Sample No.	% Columbium & Tantalum Oxide	% Titanium Oxide	% Uranium Oxide
Test #1 855A-65 Cl. Table Conc.	3.80	8.40	None
Test #1 855C-65 Cl. Table Conc. 665	2.90	8.50	None
Test #1 855A-35/65 Cl. Table. Conc.	4.60	8.20	None
Test #1 855C-20/35 Cl. Table Conc. #2	5.50	13.00	None
Test #1 855C-35 65/Cl. Table Conc.	4.70	14.00	None

Very truly yours,

E. A. Lucas

EAL:wfb
cc-Mr. Marx Hirsch

VITRO CHEMICAL COMPANY
600 W. 33rd So. St.
Salt Lake City 15, Utah

c
o
p
y

Tel: 8-1942

P.O. Box 67
South Salt Lake Station

October 2, 1951

The Galigher Company
545 W. 8th South St.
Salt Lake City 4, Utah

Attention: Mr. Harold Wright

Dear Harold:

Our laboratory reports the following results upon the samples you submitted to us from Porter Brothers.

Our Sample No.		Your No.	Date	% U_3O_8
1488	(863A-20 plus 35)	377	8-21	0.067
1489	(863Bminus 20 plus 35)	538	8-22	0.054
1490	(863A minus 65)	810	8-21	0.052
1491	(863Aminus 35 plus 65)	1135	8-21	0.060
1492	(863B minus 35plus 65)	1507	8-22	0.071
1493	(863B minus 65)	1618	8-22	0.090

We hope these results are of some help to you. The above-numbered pulps are being returned in a separate container. If we can be of further assistance please call on us.

Yours very truly,

VITRO CHEMICAL COMPANY

M. G. McGrath

REW:irs

Porter Bros. Corporation
411 Paulsen Building
Spokane 1, Washington

DMA docket-1899
Prospecting-Bear Valley, Idaho
Columbium-tantalum, uranium, monazite, rare earths

Supplemental information in connection with data furnished with the following forms previously submitted:

(1) Form MF-100 dated June 27, 1951
(2) Form MF-103 dated July 26, 1951

THE APPLICANT

Form MF-103 Question 7

The lease submitted with Form MF-103 has been modified in certain respects and copies are furnished herewith of the supplementary agreement dated July 31, 1951, and of the modifying agreement dated October 1, 1951.

The lease is in good standing.

Form MF-103 Question 9

Approximately $20,000 has thus far been invested by this company in the project. The company is prepared to invest an additional $9,200.00 which is sufficient to pay the company's part of the project as detailed in Question 23.

Porter Bros. Corporation
411 Paulsen Building
Spokane 1, Washington

THE PROPERTY
(Supplemental Information)

Form MF-103 Question 10(a)

In addition to the property comprising 5,440 acres covered by the lease accompanying Form MF-103, the company has completed negotiations to lease the land known as the McDowell property. This lease has been written, approved by all parties and has gone forth for signatures. The property comprises approximately 5,600 acres and lies along the easterly side and is contiguous to the land already under lease.

Negotiations are proceeding for leasing the so-called Harris property which is also contiguous to and along the easterly side of the presently leased property at the upper end of Bear Valley. This tract comprises approximately 1,800 acres.

Porter Bros. Corporation
411 Paulsen Building
Spokane 1, Washington

THE EXPLORATION
(Supplemental Information)

Form MF-103 Question 21

Form MF-103, as filed, detailed the then proposed work and methods to be used. The company proceeded with the drilling program during the 1951 season and put down 34 drill holes as indicated in black on the accompanying maps.

Drill samples from 15 holes have been shipped to The Galigher Company at Salt Lake City where they were concentrated to determine the weight of black minerals per cubic yard and other pertinent information. After several holes had been processed we were instructed to forward representative samples of the concentrates to the laboratory of the Special Minerals Branch of the Bureau of Mines at Bluemont, Virginia, for determinations of radio-active materials. Results of the work thus far completed by The Galigher Company and the Bureau of Mines at Bluemont are shown on tabulations furnished herewith.

The further work proposed to be done on this project and for which aid is requested consists of the following:

1. Preparation and shipping of concentrate samples now on hand at The Galigher Company to the following for assaying:

   (a) Bureau of Mines, Bluemont, Virginia
   (b) Atomic Energy Commission, New York, N. Y.
   (c) Union Carbide and Carbon Company, New York, N.Y.
   (d) Ledouk and Company, New York, N. Y.
   (e) Such other laboratories as may seem advisable.

2. Handling and shipping the balance of the past season's drill hole samples from our warehouse to The Galigher Company at Salt Lake City.

3. Concentrating and laboratory determinations by The Galigher Company on the past season's drill hole samples which have not yet been completed.

4. Preparation and shipping of concentrate samples from above drill hole samples to the various laboratories listed in 1 above.

5. Opening of roads to the property in the spring of 1952 to permit early resumption of the drilling program.

6. Proceeding with a drilling program in 1952 designed to determine the value and extent of the deposits on the leased property with a view to install a mining operation thereon. The proposed location of 115 drill holes is indicated in red on the maps furnished herewith.

7. All necessary sacking, transporting and delivery of the drill hole samples to The Gallagher Company in the same manner as handled in the 1951 season.

8. All concentrating and laboratory determinations on the samples by The Gallagher Company.

9. Preparation and shipping of concentrate samples to the various laboratories listed in 1 above.

It is estimated that the time required for the project in the field will be approximately 150 working days for two drills. It is estimated that the laboratory and assay work will require an additional 90 days after completion of the drilling in the field.

The uncertainty of weather conditions in the project area which may delay opening up the ward in the spring and curtail it in the fall makes it impossible at this time to state that the field work can be completed in the 1952 season. Furthermore, the complexity of the material and the fact that most assay laboratories are overcrowded with work may extend the time required to complete the project beyond that now anticipated. In any event, however, it is estimated that the entire program will be completed by October 31, 1953.

Porter Bros. Corporation
411 Paulsen Building
Spokane 1, Washington

THE REQUIREMENTS AND COSTS
(Revised)

Summary of Estimated Costs

(a)	Labor	$ 28,050.00
(b)	Supervisers	4,600.00
(c)	Repairs to existing facilities (none)	
(d)	Construction of additional facilities	3,500.00
(e)	Equipment to be purchased (none)	
(f)	Equipment rental	1,800.00
(g)	Rental value of equipment owned	7,000.00
(h)	Materials and supplies	12,000.00
(i)	Laboratory and miscellaneous	35,050.00
	Total	$ 92,000.00

Details of Estimated Costs

(a) Labor

2,400 hrs. drillers (2) @ $2.00	$ 4,800.00
2,400 hrs. drill helpers (2) @ $1.50	3,600.00
2,400 hrs. panners (2) @ $1.75	4,200.00
4,800 hrs. labor (4) @ $1.50	7,200.00
	$ 19,800.00
Board for 10 men @ $4 per day each for 150 days	6,000.00
3 cabins @ $5 per day each for 150 days	2,250.00
Total labor cost	$ 28,050.00

(b) Supervisors

1-Engineer-supervisor - 5 months @ $500	$ 2,500.00
Board @ $4 per day for 150 days	600.00
1-Clerk-5 months @ $300	1,500.00
Total supervisors	$ 4,600.00

(c) Repairs to existing facilities none

(d) Additional facilities

No plans have been made to provide housing and boarding facilities for the drill crews. During the past season the men were housed and boarded at Deadwood Lodge, a commercial establishment located 14 miles from the project. The Company paid $4 per day per man for board and $5 per day for a cabin.

Should it be deemed advisable to provide board and sleeping accommodations on the project next spring, it is estimated that the cost of such facilities would be approximately $3,500 which sum is included in the summary above.

(e) Equipment to be purchased none

(f) Cost of rental for equipment proposed to be rented

In order to commence operations as early as possible next season, it will be necessary to rent a caterpillar tractor to clear the snow from the road to the property. It is estimated that this work will require 15 days of 8 hours per day. Rental of the equipment is estimated at $15 per hour.

Total rental 120 hours @ $15 1,800.00

(g) Rental value of equipment owned

1 - Keystone #71 Drill, self-propelled on caterpillar tracks, including pipe, bits, tools and accessories	$ 350.00 per month
1 - Hillman Prospector Drill, mounted on Studebaker 6 x 6 truck, including pipe, bits, tools and accessories	350.00 per month
1 - GMC 4 ton flat bed truck	150.00 per month
1 - International 2½ ton flat bed truck	150.00 per month
1 - International 1 ton pickup truck	100.00 per month
1 - GMC 1 ton flat bed truck	100.00 per month
1 - GMC 3/4 ton pick-up truck	100.00 per month
1 - Ford 1/2 ton pick-up truck	100.00 per month
	$1,400.00 per month
Total Rental value 5 months	$7,000.00

(h)	All materials and supplies required for operation of drills and trucks and for the handling, transporting and shipping of drill hole samples and concentrates	$ 12,000.00
(i)	1. Cost of loading, shipping and delivery to the project of 1-Hillman Prospector Drill now at Nogales, Arizona.	950.00
	2. Cost of trucking and freight charges on drill hole samples from field to warehouse and from warehouse to The Gallagher Company at Salt Lake City.	3,100.00
	3. Rental of warehouse not owned - 10 months @ $50	500.00
	4. Cost of charges by The Gallagher Company for concentrating and laboratory determinations on drill hole samples and concentrates, preparation of and shipment of samples to laboratories - Total estimated cost	23,000.00
	5. Assaying costs - Total estimated	7,500.00
	Total estimated cost item (i)	$ 35,050.00

SUPPLEMENTARY AGREEMENT TO MINING LEASE

THIS SUPPLEMENTARY AGREEMENT, Made and entered into this 31st day of Julh, 1951, by and between ROBERT L. WILSON, A. W. KIMBALL, ROBERT R. JOHNSON, for themselves, and EARL KIMBALL, MINDA KIMBALL, HARMON KIMBALL AND VELDORA KIMBALL, husband and wife, ELLEN M. WILSON, FRANCES ROBERTA WILSON, GRACE ELEANOR CANTRALL and ALVINA A. JOHNSON, by Robert L. Wilson, A. W. Kimball and Robert R. Johnson, their attorneys-in-fact, hereinafter referred to as lessors, and PORTER BROS. CORPORATION, a corporation organized and existing under and by virtue of the laws of the State of Delaware, and duly qualified to do business in the State of Idaho by virtue of full and complete compliance with the laws of the State of Idaho relative to foreign corporations doing business in Idaho, and whose post office address is 411 Paulsen Building, Spokane 8, Washington, hereinafter referred to as lessee,

W I T N E S S E T H:

WHEREAS, under date of June 13th, 1951, the lessors made a Mining Lease to the lessee covering certain unpatented placer mining claims located in Bear Valley, Valley County, Idaho and more particularly described in the certificates of location thereof recorded in the office of the County Recorder of Valley County, Idaho in Book 5 of Placer Mining records on the pages designated on pages 3 and 4 of the original Mining Lease between the parties hereto; and,

WHEREAS, it is provided in said original Mining Lease in

Section 4 on page 8 thereof that the lessee shall have the right and privilege to enter upon said leased premises and make certain tests during a period extending to August 1st, 1951; and,

WHEREAS, It is provided in said original Mining Lease in Section 7 on page 10 thereof that the lessors shall have delivered to the lessee an abstract of title covering said premises and that the lessee shall have to and including the 1st day of August, 1951 in which to determine whether the possessory title of the lessors in and to said premises is satisfactory; and,

WHEREAS, it is provided in said original Mining Lease in Section 8 on page 10 thereof that the lessee, after prospecting and testing said leased premises and after examination of the abstract of title, shall, if it elects to proceed further under the lease, on or before August 1, 1951 give the lessors written notice of its election to do so and pay to the lessors the sum of Six Thousand Dollars ($6,000.00), which election and payment shall extend the right of the lessee under said Mining Lease to January 1st, 1952, and which said date of payment is referred to in the second portion of Section 7 appearing on page 10 of said Mining Lease; and,

WHEREAS, the lessee has entered upon said premises and has been conducting tests as rapidly as possible but will be unable to complete the same by August 1st, 1951 and whereas it was contemplated that the United States Government would also be in the area making tests and would make the results of said

tests known to the lessee but the United States Government has failed up to this time to make such tests; and whereas further time is needed by the lessee to complete its preliminary testing work and whereas the lessee desires an extension of time within which to complete its testing work, examine abstract of title and make its first payment of Six Thousand Dollars ($6,000.00) in the event it desires to continue operations on the premises, and whereas it is also the desire of the lessors to grant such extension of time to the lessee to permit the lessee to complete its tests;

NOW, THEREFORE, in consideration of the sum of Ten Dollars ($10.00) and other valuable consideration by the lessee to the lessors in hand paid, the receipt whereof is hereby acknowledged, and in consideration of the covenants and agreements herein contained, on the part of the respective partied to be done and performed, each the lessors and lessee agrees as follows:

That the original Mining Lease dated June 13th, 1951 and entered into on that date between the lessors and the lessee be amended as follows:

"SECTION 4 (page 8):

Lessee shall, from the date hereof, have the right and privilege to enter upon said leased premises and test the same for placer gold and other minerals, ores, values and metals, by drilling holes, sinking shafts, or otherwise, upon said lands during a period extending to October 1st, 1951. Said right of prospecting may be continued by Lessee for the period herein provided for by Lessee complying with the terms and

conditions herein set forth.

When said testing and prospecting is completed, all drill holes, shafts and excavations shall be left in a reasonably safe condition.

SECTION 7 (page 10):

It is agreed that the lessors have ordered an abstract of title covering the said demised premises and that the same will be delivered to the Lessee at the earliest possible date, and that the Lessee shall have the same examined by its Attorney or Attorneys, and that the Lessee shall on or before October 1st, 1951, decide and determine as to whether the possessory title of the Lessors in and to the said demised premises is satisfactory to the Lessee.

It is agreed that the Lessee has or will pay for the cost of said abstract of title for the said leased premises, and in the event that it elects to make payment hereinafter called for on or before October 1st, 1951, that the Lessee shall receive credit for said payment for the cost of said abstract of title, and in the event it elects not to make said payment and not to proceed hereunder that it shall bear the entire cost and expense of said abstract of title, but shall deliver the same to the Lessors.

SECTION 8 (Page 10):

If Lessee, after prospecting and testing said leased premises, and after examination of the abstract of title shall elect to proceed further under this lease, it shall on or before October 1st, 1951, give Lessors written notice of

its election so to do, and shall pay to the Lessors the sum of Six Thousand Dollars ($6,000.00) and upon the payment of said sum shall have the right thereafter to continue to prospect, test, mine and dredge said property, but not beyond January 1, 1952.

If the Lessee, on or before January 1, 1952, elects to continue its operations hereunder it shall notify the Lessors in writing of such election, and shall on or before said date pay to the Lessors the additional sum of Nineteen Thousand Dollars ($19,000.00), and then, but not otherwise, the said Lessee may proceed to continue its prospecting, testing and mining operations under the terms and conditions herein provided."

In all respects other than those amended hereby, the original Mining Lease entered into between the parties on June 13, 1951 is in full force and effect.

IN WITNESS WHEREOF, the parties have hereunto subscribed their names as of the day and year herein first above written.

Robert L. Wilson
Robert L. Wilson

A. W. Kimball
A. W. Kimball

Robert R. Johnson
Robert R. Johnson

and

Earl Kimball
Earl Kimball

Minda Kimball
Minda Kimball

Harmon Kimball
Harmon Kimball

Veldora Kimball
Veldora Kimball

5-pho

Ellen M. Wilson
Ellen M. Wilson

Frances Roberta Wilson
Frances Roberta Wilson

Grace Eleanor Cantrall
Grace Eleanor Cantrall

Alvina A. Johnson
Alvina A. Johnson

BY:

Robert L. Wilson
Robert L. Wilson

A. W. Kimball
A. W. Kimball

Robert R. Johnson
Robert R. Johnson
THEIR ATTORNEYS-IN-FACT

LESSORS

PORTER BROS. CORPORATION, a corporation

By R. P. Porter
R. P. Porter, President

(SEAL)

ATTEST:

D. L. Skidmore
D. L. Skidmore, Secretary

6-pho

STATE OF IDAHO,)
) ss.
COUNTY OF VALLEY,)

On this 31st day of July, in the year 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared Robert L. Wilson, A. W. Kimball, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

s/s H. N. McMaster
Probate Judge
Residing at Cascade, Idaho

(SEAL)

STATE OF WASHINGTON,)
) ss:
COUNTY OF SPOKANE,)

On this 6th day of August in the year 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared R. P. Porter, known to me to be the President of the corporation that executed the foregoing instrument, and acknowledged to me that such corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

/s/ Nelson B. Repsold
Notary Public for Washington
Residing at Spokane, Washing

(SEAL)

STATE OF MONTANA,)
) ss.
COUNTY OF MISSOULA,)

On this 2nd day of August, 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared ROBERT R. JOHNSON, known to me to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

Elsie E. Hartley
Notary Public for the State of Montana,
Residing at Missoula, Montana

Notary Public for the State of Montana
Residing at Missoula, Montana
My commission Expires Mar. 31, 1953

(SEAL)

CONTRACT MODIFYING MINING LEASE

Between: EARL KIMBALL, an unmarried man, A. W. KIMBALL and MINDA KIMBALL, husband and wife, HARMON KIMBALL and VELDORA KIMBALL, husband and wife, ROBERT L. WILSON, sometimes known as Robt. L. Wilson, and ELLEN M. WILSON, husband and wife, FRANCES ROBERTA WILSON, sometimes known as Roberta Wilson, a single woman, and GRACE ELEANOR CANTRALL, sometimes known as Grace Cantrall, an unmarried woman, all of Cascade, Idaho; and ROBERT R. JOHNSON, sometimes known as Bob Johnson, and ALVINA A. JOHNSON, husband and wife, of Missoula, Montana,
as

LESSORS,

and

PORTER BROS. CORPORATION, a Delaware corporation,
Address: 411 Paulsen Bldg., Spokane 8, Wash.,
as

LESSEE,

THIS AGREEMENT, Made the 1st day of October, 1951, by and between EARL KIMBALL, an unmarried man, A. W. KIMBALL and MINDA KIMBALL, husband and wife, HARMON KIMBALL and VELDORA KIMBALL, husband and wife, ROBERT L. WILSON, sometimes known as Robt. L. Wilson, and ELLEN M. WILSON, husband and wife, FRANCES ROBERTA WILSON, sometimes known as Roberta Wilson, a single woman, and GRACE ELEANOR CANTRALL, sometimes known as Grace Cantrall, an unmarried woman, all of Cascade, Valley County, Idaho, and ROBERT R. JOHNSON, sometimes known as Bob Johnson, and ALVINA A. JOHNSON, husband and wife, of Missoula, Montana, Parties of the

First Part, hereinafter referred to and designated as "Lessors", and the PORTER BROS. CORPORATION, a corporation organized and existing under and by virtue of the laws of the State of Delaware, and duly qualified to do business in the State of Idaho by virtue of full and complete compliance with the laws of the State of Idaho relative to foreign corporations doing business in Idaho, and whose post office address is 411 Paulsen Building, Spokane 8, Washington, Party of the Second Part, hereinafter referred to and designated as "Lessee",

W I T N E S S E T H:

WHEREAS, under date the 13th day of June, 1951, Mining Lease was made and entered into by and between the said lessors and lessee covering those certain placer mining claims located in Bear Valley, Valley County, Idaho, and more fully described in the certificates of location thereof recorded in the office of the County Recorder of Valley County, Idaho, in Book 5 of Placer Mining Records, and at the pages hereinafter designated, which said mining claims are listed and designated as follows, the figures opposite the name of each claim designating the page or pages in said Book 5 of said Placer Mining Records where the certificate of location of said claim is recorded, and the word "original" above the left-hand column indicating the original certificate of location and the word "amended" above the right-hand column indicating an amended certificate of location, and the names of the claims and the pages at which

said location certificates are recorded in said Book 5 of Placer Mining Records being as follows:

CLAIMS	ORIGINAL PLACER	ORIGINAL BOOK	ORIGINAL PAGE	AMENDED PLACER	AMENDED BOOK	AMENDED PAGE
Atom Bomb	"	5	177			
Bear Valley No. 1	"	5	580	"	5	69
Bear Valley No. 2	"	5	581	"	5	70
Bear Valley No. 3	"	5	582	"	5	72
Bear Valley No. 4	"	5	583	"	5	73
Bear Valley No. 5	"	5	584	"	5	74
Bear Valley No. 6	"	5	600	"	5	78
Bear Valley No. 7	"	5	601	"	5	79
Bear Valley No. 8	"	5	602	"	5	80
Bear Valley No. 9	"	5	603	"	5	82
Bear Valley No. 10	"	5	604	"	5	83
Bear Valley No. 11	"	5	605	"	5	84
Bear Valley No. 12	"	5	606	"	5	86
Bear Valley No. 13	"	5	607	"	5	87
Bear Valley No. 14	"	5	608	"	5	88
Bear Valley No. 15	"	5	195			
Bear Valley No. 16	"	5	196			
Buzzard	"	5	185			
Cache Creek	"	5	176			
Canyon	"	5	184			
Cub Creek	"	5	186			
Cook Creek	"	5	170			
Duke	"	5	182			
Elk Creek	"	5	169			
Frosty	"	5	179			
Lot 4	"	5	183			
Pole Creek	"	5	171			
Sack Creek	"	5	178			
Sheep Trail Creek	"	5	181			
South Forty	"	5	172			
Transfer	"	5	180			
White Hawk No. 1	"	5	609	"	5	76
White Hawk No. 3	"	5	197			
White Hawk No. 4	"	5	198			

White Hawk No 2 where? is on claim map

and which said Mining Lease covers all of the "leased premises" to which reference is therein made;

And, WHEREAS, under date the 31st day of July, 1951, the said lessors and lessee made and entered into Supplementary Agreements to said Mining Lease supplementing and amending certain of the provisions thereof;

And, WHEREAS, the parties hereto have mutually agreed to further supplement and modify such Mining Lease in the manner and particulars hereinafter set forth;

NOW, THEREFORE, IT IS MUTUALLY AGREED That for and in consideration of the sum of Ten Dollars ($10.00) by the lessee to the lessors in hand paid, the receipt whereof is hereby acknowledged, such Mining Lease is supplemented and modified in the following particulars and respects:

The "leased premises" covered by said Mining Lease are hereby made to include, in addition to all other premises covered thereby, the BRIDGE Placer Mining Claim, the location notice of which is recorded in the office of the County Recorder of the County of Valley, State of Idaho, in Book 5 of Placer Mining Records at page 490 and the description in said record is hereby by this reference incorporated herein and said record is hereby referred to for a more particular description of said claim, and the parties hereto agree that such claim shall be covered by said Mining Lease and all agreements supplementary thereto, including this agreement, to the same extent and effect as though originally contained in and covered by such Mining Lease at the time of the execution and delivery thereof.

The sum of Six Thousand Dollars ($6,000.00) provided by such Mining Lease and Supplementary Agreement to be paid on or before October 1, 1951, by the lessee to the lessors has been paid, and the receipt thereof is hereby acknowledged, and the notice in writing of the election of the lessee to proceed under the terms of said Mining Lease and Supplementary Agreement

to be given to the lessors on or before October 1, 1951 has been given, and the receipt of such notice is hereby acknowledged.

The time specified in said Mining Lease and Supplementary Agreement, namely, January 1, 1952, within which the lessee is required thereby, should it elect to continue its operations thereunder, to notify the lessors in writing of such election and to pay the additional sum of Nineteen Thousand Dollars ($19,000.00) as a condition to the right of the lessee to proceed to continue its prospecting, testing and mining operations under the terms and conditions of said Mining Lease and Supplementary Agreement, is hereby extended and continued to the 1st day of January, 1953. Said sum of Nineteen Thousand Dollars ($19,000.00) when paid shall be paid to the lessors by depositing the same to their credit in the McCall Branch of The Idaho First National Bank, at McCall, Idaho.

All provisions of said Mining Lease for payment by lessee to lessors of "Guaranteed Annual Royalty" in the amount of One Hundred Thousand Dollars ($100,000.00) per year, and all agreements in said Mining Lease with reference to such "Guaranteed Annual Royalty", are hereby extended and continued for the period of one (1) year and the provisions of such Mining Lease with reference to such guaranteed annual royalty shall take effect and become operative under the terms thereof in the year 1953 and not sooner;

In the event the lessee shall commence and in good faith continue the installation and construction of a dredge at or

upon the "leased premises" in the year 1953, then all provisions of said Mining Lease for payment by lessee to lessors of "Guaranteed Annual Royalty" in the amount of One Hundred Thousand Dollars ($100,000.00) per year and all agreements in said Mining Lease with reference to such guaranteed annual royalty shall be thereby automatically extended and continued for the further period of one (1) year and the provisions of such Mining Lease with reference to such guaranteed annual royalty shall take effect and become operative under the terms of such Mining Lease in the year 1954 and not sooner;

In the event the "Mining Royalty" paid during the first year of the operation of a dredge on said leased premises shall not equal the "Guaranteed Annual Royalty" of One Hundred Thousand Dollars ($100,000.00) paid on or before December 31st in such year, then the amount which the lessee shall pay in addition to such mining royalty to make up said sum of One Hundred Thousand Dollars ($100,000.00) as guaranteed annual royalty shall be recouped and retained by lessee from any mining royalty in excess of One Hundred Thousand Dollars ($100,000.00) payable in the next succeeding calendar year. After said amount shall be recouped the balance of the mining royalty earned during such next succeeding year, if any, shall be paid over to the lessors.

If and in the event the production of uranium from the said leased premises shall be suspended or prohibited by any law or order of the United States of America or any of its agencies, or by the State of Idaho or any of its agencies, or in the event

the legitimate market for uranium shall be so curtailed or suspended as to substantially impair the salability of the uranium to be produced from said leased premises, and in any such event, then such Mining Lease shall be extended beyond the term therein set forth for the added period of time covered by such suspension or curtailment. In any calendar year in which such suspension or curtailment shall be in effect the "Mining Royalty" only need be paid.

Nothing herein contained shall change nor affect such Mining Lease nor Supplementary Agreement in any other part than is provided herein and such Mining Lease and Supplementary Agreement and the covenants and agreements therein shall remain in full force and effect as modified by this agreement.

All of the terms and conditions of said Mining Lease and Supplementary Agreement are hereby affirmed by each and all of the parties hereto as modified by this Modification Agreement.

IN WITNESS WHEREOF, the lessors have hereunto set their hands and the lessee has hereunto caused its corporate name to be subscribed by its President and Secretary first hereunto duly authorized by resolution of its board of directors, all as of the day and year herein first above written.

Earl Kimball

A. W. Kimball

Minda Kimball

Harmon Kimball

Veldora Kimball

Robert L. Wilson

Ellen M. Wilson

Frances Roberta Wilson

By:

Robert L. Wilson, HER ATTORNEY-IN-FACT

Grace Eleanor Cantrall

Robert R. Johnson

Alvina A. Johnson

LESSORS

PORTER BROS. CORPORATION

By

R. P. Porter, President

ATTEST:

D. L. Skidmore, Secretary

LESSEE

8-pho

STATE OF IDAHO,)
) ss.
COUNTY OF VALLEY,)

On this 5 day of October, in the year 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared Earl Kimball, an unmarried man, A. W. Kimball and Minda Kimball, husband and wife, Robert L. Wilson, sometimes known as Robt. L. Wilson, and Ellen M. Wilson, husband and wife, and Grace Eleanor Cantrall, an unmarried woman, sometimes known as Grace Cantrall, known to me to be the persons whose names are subscribed to the within and foregoing instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

J. C. Lefever
Notary Public for Idaho
Residing at Cascade, Idaho
My comm. expires: 5-1-52

STATE OF IDAHO,)
) ss.
COUNTY OF VALLEY,)

On this 5 day of October, in the year 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared Robert L. Wilson, known to me to be the person whose name is subscribed to the within instrument as Attorney-in-Fact for Roberta Wilson, and acknowledged to me that he subscribed the name of Frances Roberta Wilson thereto as principal, and his own name as Attorney-in-Fact.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

J. C. Lefever
Notary Public for Idaho,
Residing at Cascade, Idaho
My comm. expires: 5-1-52

STATE OF IDAHO,)
) ss.
COUNTY OF IDAHO,)

On this 4th day of October, in the year 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared Harmon Kimball and Veldora Kimball, husband and wife, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

J. E. Graham
Notary Public for Idaho,
Residing at Grangeville, Idaho.
My comm. expires: June 1, 1954

STATE OF Montana,)
COUNTY OF Missoula,) ss

On this 9th day of October, in the year 1951, before me, the undersigned, a Notary Public in and for said County and State, personally appeared Robert R. Johnson, sometimes known as Bob Johnson, and Alvina A. Johnson, husband and wife, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

Elsie E. Hartley
Notary Public for the County of
Missoula, State of Montana
Residing at Missoula, Montana
My comm. expires: March 31, 1953

STATE OF IdAHO)
) ss.
COUNTY OF ADA)

On this 13th day of October, in the year 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared R. P. Porter and D. L. Skidmore, known to me to be the President and Secretary, respectively, of Porter Bros. Corporation, the corporation that executed the foregoing instrument, and acknowledged to me that such corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

Ferne Witt
Notary Public for the State of Idaho
Residing at Boise, Idaho
My comm. expires: 4/8/54

Aug 1896

Porto Rico.

Very desirable property
good co.

The land question has
been settled by Cal. Penn
Comm. & Rum. Confederation
Also an act an important
salary opening a profitable
Nat'l mint Co. clear title.

SF

311 815520

Mr. [illegible] Perkins, President
Porter Bros. Corporation
411 Western Building
Spokane 1, Washington

Re: Docket No. [illegible]-2000, (Formerly [illegible], Colorado, Idaho)
Porter Bros. Corporation
Snake Valley Mines, Idaho

Dear Mr. Perkins

This will acknowledge receipt of your letter of April 19, 1952, with attached data of the drill hole samples.

In reply to your question regarding the expense for analysis of such samples, as data on the samples from the 30 drill holes were made a report, contained in the form of a [illegible], and included in your application for exploration aid, Mr. [illegible] Ashley's letter dated April 25, 1952, so Mr. [illegible] indicate of your company, has offered to have this work done at the laboratory of the U. S. Bureau of Mines. In this arrangement is satisfactory to your company and we wish prove the drill holes contain commercial mineral values your application and the selection of the land which could then be made to the Bureau of Reclamation. Since this work is effected on the land prior to selection and under your control, we will advise as to the personal bids pertaining your application.

This agency is not authorized to allocate funds for exploring property which is not controlled by the applicant, therefore, funds could only be allocated to explore the drill discoveries on land controlled by your company along the valley.

Sincerely yours,

[illegible]

Robert W. Lilli, Chief
Land and Mine, Lands Division
Defense Minerals Exploration
Administration

Allinouse/jon
5/6/52
cc to: Adm. Working File
Docket
Mrs. Ro. E.J. Carlson, Rm. 1317
J.J. Horton, Rm. [illegible]
J.D. Hosted, Rm. 3201
Allin Snouse
Field Serv., Region II (2)

2-14-52

Discussed Project with JOE HOSTED. We agreed to hold up action until the question of the land being released by Reclamation also, sample results from S.M.E.B. and from Union Carbide.

J. F. K.

February 11, 1952

Memorandum

To: F. L. Knouse, DMEA

From: E. J. Carlson, SMIB, U. S. Bureau of Mines

Subject: Application, DMA Docket No. 1899, from Porter Brothers Corp. for exploration of Bear Valley, Idaho

During the summer of 1951, the Special Minerals Investigation Branch of the U. S. Bureau of Mines completed 62 drill holes for a total footage of over 3,600 feet in Bear Valley, which is located in the central part of Valley County, Idaho. Most of these churn-drill holes were located in the upper part of the valley, above the drilling of Porter. No holes were drilled near Porter's exploration; so we have no check on any of their work.

In one part of the upper valley, we have found the black sands to contain as high as 10 percent monazite. Other parts show almost no monazite, but some columbium-tantalum-uranium minerals were contained in the sands. This information was obtained from rough field estimates and checking with field counters. Our Mt. Weather laboratory has not run any of the drill-hole samples to date, and they are not scheduled to be run until after the middle of this calendar year. About all we can say is that some parts of the valley contain monazite and/or radioactive heavy black sands.

Mr. M. H. Kline, Chief, SMIB, discussed this particular Docket with Mr. Weston G. Bourret, Chief, Minor and Rare Metals Branch, DMA, some months ago. Their opinion was that the application should be given favorable consideration, at least until such time as the analyses of the drill samples prove to the contrary. Further, because of the short summer season available for drilling in Bear Valley, a loan should be approved for a limited amount of exploration. This could be increased or extended if the analyses are favorable. If, in the opinion of Porter Bros. or the DMEA field engineer, the drilling results and analyses were not promising, then the work should be stopped.

It is recommended that:

1. The remaining samples, now being held by The Galigher Company in Salt Lake City, be analyzed for U_3O_8, columbium-tantalum, and for monazite.

2. If these analyses show promise, a loan be granted on a month-to-month basis and not for any fixed lump sum of money.

E. J. Carlson

	Holes
Holes drilled by Porter	35
Analytical Results completed on	10
Partly completed on	6
Bal holes on which analysis to be done	19

PORTER BROS. CORPORATION

ROBERT P. PORTER, PRESIDENT
REUEL G. PHILLIPS, VICE-PRESIDENT
DAVID L. SKIDMORE, SECRETARY AND TREASURER

411 PAULSEN BUILDING
SPOKANE 1, WASHINGTON

TELEPHONE
RIVERSIDE 0668

November 27, 1951

Defense Minerals Administration
Minor and Rare Metals Branch
Washington 25, D.C.

Attention: Mr. E. R. Gordon

Re: DMA Docket #1899

Gentlemen:

We wish to submit additional details regarding the requirements and costs in connection with the above numbered docket.

(a) Labor

Total estimated labor costs were shown as $28,050.00. We omitted showing in this item, or elsewhere in the estimated costs, an allowance for various payroll taxes and insurance costs. The rates for these items are as follows:

Old age benefit insurance	1.5%
Unemployment insurance	3.0%
Industrial Accident Insurance	4.0%
Public Liability and Property Damage	1.0%
Total charges on labor	9.5%

These charges are based on actual payroll plus an allowance for board at the rate of $2.00 per day per man. The estimated amount of these costs on Item (a) Labor is $2,166.00 which should be added to the Labor Cost of $28,050.00, making a total of $30,216.00.

(b) Supervisors

Total estimated cost of this item was shown as $4,600.00. Payroll taxes and insurance on this item were omitted. The estimated amount of these costs is $408.50 which should be added to cost of supervisors, making a total of $5,008.50.

(g) Rental value of equipment owned.
Replacement cost of equipment.

1-Keystone #71 Drill, self-propelled on Caterpillar Tracks, including pipe, bits, tools and accessories	$16,415.00
1-Hillman Prospector Drill, mounted on Studebaker 6 x 6 truck, including pipe, bits, tools and accessories	14,220.00

1-GMC 4 ton flat bed truck	$3,250.00
1-International 2½ ton flat bed truck, long wheel base	4,080.00
1-International 1 ton pickup truck	2,075.00
1-GMC 1 ton flat bed truck	2,490.00
1-GMC 3/4 ton pickup truck	1,905.00
1-Ford 1/2 ton pickup truck	1,880.00
Total replacement cost	$46,315.00

(h) Materials and supplies

This item covers all materials and supplies used in the field for drills and trucks including gas, oil, grease, sample sacks, drill cable, pipe repairs and replacement, bit sharpening and replacement, small tools, drill and truck repairs. It has been the experience of this company that these costs average approximately $40.00 per day per drill. The project is based on 2 drills for 150 days each thus indicating an estimated amount for this item of $12,000.00.

(i) 4. Laboratory work by The Galigher Company

There is outlined below in complete detail the laboratory operations performed by the Galigher Company in connection with obtaining a concentrate of the valuable minerals contained in the drill hole samples.

1. Receive and sort sacks according to drill hole numbers.
2. Check the number of sacks against drill log to determine if the entire footage of drill hole is represented.
3. Combine the various sacks as one sample containing the footage of drill hole sample to be concentrated.
4. Spread the combined sample from Step 3 on the drying floor for air drying. Samples contain 3 to 5% moisture when delivered which is reduced to less than 0.5%. Room in which the sample is dried is equipped with exhaust system to provide a movement of air for faster drying. On samples that weigh 1500 lbs. 5 to 6 days is required for drying. The space available is not adequate for drying samples of this size which prolongs the operation. During this time the material is turned and mixed to speed the drying.
5. Pick up the dry sample and weigh.
6. Cut a suitable portion of the dry sample by means of a Jones Splitter for further processing. If the material weighs less than 500 lbs. the whole sample is processed. If the sample weighs better than 500 lbs. a representative portion approximately 250 to 300 lbs. is cut for processing. The amount of material processed is estimated as the amount required to yield 2 lbs. minimum of concentrate from the minus 20 mesh fraction. On samples weighing better than 500 lbs. an equivalent weight of the material processed is labeled and held separate in case any particular sample is required for future reference. The excess of all hole samples is stockpiled in a common stockpile.

7. Screen the portion cut in Step 6 on a Hummer Vibrating Screen dressed with a 20 mesh screen. The oversize is rescreened until it contains less than 1% of minus 20 mesh material.
8. Weigh both portions of the sample.
9. Label and store the plus 20 mesh.
10. Table the minus 20 mesh fraction on a quarter-deck Deister Concentrating Table, cutting approximately 20 to 25% of the feed to concentrate. If the weight of rougher table concentrate is greater than 25 lbs. the product is retabled, reducing the weight of concentrate to approximately 25 lbs.
11. Screen the rougher or #1 cleaner concentrate on 35 and 65 mesh, producing 3-size fractions.
12. Clean the 3-size fractions separately by retabling. On the minus 20 plus 35 mesh fraction two or three cleanings are required to make a product low in quartz and feldspar. One cleaning is sufficient on the minus 35 mesh plus 65 mesh and the minus 65 mesh portions to reduce the quartz and feldspar content to the desired amount.

13. Dry concentrates and cleaner tails separately.
14. Weigh the individual concentrates and combine as one concentrate representative of the drill hole.
15. Record all weights indicated in outline on individual data sheets for each hole or part of hole. The weight of the plus 3/8 inch fraction is obtained from the drill hole log sheet.
16. Calculate the percent size distribution of the plus 3/8 inch, minus 3/8 inch plus 20 mesh, and minus 20 mesh fractions and the percent weight of concentrate.
17. Compare a weighed portion of the concentrate for radioactivity with an equal weight of high-grade monazite (95% monazite) and calculate a percent monazite equivalent.
18. Package and ship samples of concentrate to analytical laboratories for analysis.

In addition to the above operations two other factors have been investigated on certain of the drill hole samples as listed below:

1. Jig concentration of the plus 20 mesh fraction of drill hole 103B. In this test all of the plus 20 mesh material was jigged. The concentrate obtained did not contain a noticeable amount of magnetite, ilmenite, or other minerals of high specific gravity, nor did this product produce a measurable radioactive count.
2. Magnetic concentration studies on the 3 screen size fractions of concentrate from hole 57I, which are outlined as follows:
   a. Minus 20 mesh plus 35 mesh.
      1) Percent magnetite.
      2) Percent magnetics at 0.5 amperes.
      3) Percent magnetics at 1.0 amperew.
      4) Percent magnetics at 1.5 amperes.
      5) Percent magnetics at 2.0 amperes.
      6) Percent magnetics at 2.5 amperes.

b. Minus 35 mesh plus 65 mesh.
   1) Percent magnetite.
   2) Percent magnetics at 1.75 amperes.
   3) Percent magnetics at 2.5 amperes.

c. Minus 65 mesh.
   1) Percent magnetite.
   2) Percent magnetics at 1.75 amperes.
   3) Table the non-magnetic fraction of Step 2.

It is also planned that similar investigations will be made of selected samples as the drilling program proceeds. The Galigher Company charges have been based on a daily fee of $46.50 per 8 hour day. This sum includes the salaries and wages of metallurgists and laboratory technicians, in addition to the use of all the company's facilities required in the operation. The Galigher Company have assured us that this fee is positively on a break-even basis so far as they are concerned. The Galigher Company is performing this work on a cost basis because of long established friendly relations with this company and their desire to participate in any research connected with new materials.

The cost per drill hole thus far billed has been around $150.00 and the total estimate of $23,000.00 contemplated the laboratory work on 21 holes remaining to be washed from 1951 drilling and 115 holes to be put down in 1952. To this sum was added approximately $2,600.00 to cover special study and analysis which might be desirable in addition to those normally performed with an allowance for possible payroll and other increases.

(i) 5. Assaying

The estimated cost of assaying is based on assays for combined columbium-tantalum on all samples from the 34 drill holes completed during the 1951 season in addition to the proposed 115 drill holes at the rate of $50.00 per sample as quoted by Ledoux and Company, New York City for such determinations.

Yours very truly,

PORTER BROS. CORPORATION

D. L. Skidmore

By: D. L. Skidmore,
Secretary and Treasurer

DLS:dms

PORTER BROS. CORPORATION

ROBERT P. PORTER, PRESIDENT
REUEL G. PHILLIPS, VICE-PRESIDENT
DAVID L. SKIDMORE, SECRETARY AND TREASURER

411 PAULSEN BUILDING
SPOKANE 1, WASHINGTON

TELEPHONE
RIVERSIDE 0658

November 27, 1951

Defense Minerals Administration
Minor and Rare Metals Branch
Washington 25, D.C.

Attention: Mr. E. R. Gordon

Re: DMA Docket #1899

Gentlemen:

We wish to submit additional details regarding the requirements and costs in connection with the above numbered docket.

(a) Labor

Total estimated labor costs were shown as $28,050.00. We omitted showing in this item, or elsewhere in the estimated costs, an allowance for various payroll taxes and insurance costs. The rates for these items are as follows:

Old age benefit insurance	1.5%
Unemployment insurance	3.0%
Industrial Accident Insurance	4.0%
Public Liability and Property Damage	1.0% No.
Total charges on labor	9.5%

These charges are based on actual payroll plus an allowance for board at the rate of $2.00 per day per man. The estimated amount of these costs on Item (a) Labor is $2,166.00 which should be added to the Labor Cost of $28,050.00, making a total of $30,216.00.

(b) Supervisors

Total estimated cost of this item was shown as $4,600.00. Payroll taxes and insurance on this item were omitted. The estimated amount of these costs is $408.50 which should be added to cost of supervisors, making a total of $5,008.50.

(g) Rental value of equipment owned.
Replacement cost of equipment.

1-Keystone #71 Drill, self-propelled on Caterpillar Tracks, including pipe, bits, tools and accessories	$16,415.00
1-Hillman Prospector Drill, mounted on Studebaker 6 x 6 truck, including pipe, bits, tools and accessories	14,220.00

1-GMC 4 ton flat bed truck	$3,250.00
1-International 2½ ton flat bed truck, long wheel base	4,080.00
1-International 1 ton pickup truck	2,075.00
1-GMC 1 ton flat bed truck	2,490.00
1-GMC 3/4 ton pickup truck	1,905.00
1-Ford 1/2 ton pickup truck	1,880.00
Total replacement cost	$16,315.00

(h) Materials and supplies

This item covers all materials and supplies used in the field for drills and trucks including gas, oil, grease, sample sacks, drill cable, pipe repairs and replacement, bit sharpening and replacement, small tools, drill and truck repairs. It has been the experience of this company that these costs average approximately $40.00 per day per drill. The project is based on 2 drills for 150 days each thus indicating an estimated amount for this item of $12,000.00.

(i) 4. Laboratory work by The Galigher Company

There is outlined below in complete detail the laboratory operations performed by the Galigher Company in connection with obtaining a concentrate of the valuable minerals contained in the drill hole samples.

1. Receive and sort sacks according to drill hole numbers.
2. Check the number of sacks against drill log to determine if the entire footage of drill hole is represented.
3. Combine the various sacks as one sample containing the footage of drill hole sample to be concentrated.
4. Spread the combined sample from Step 3 on the drying floor for air drying. Samples contain 3 to 5% moisture when delivered which is reduced to less than 0.5%. Room in which the sample is dried is equipped with exhaust system to provide a movement of air for faster drying. On samples that weigh 1500 lbs. 5 to 6 days is required for drying. The space available is not adequate for drying samples of this size which prolongs the operation. During this time the material is turned and mixed to speed the drying.
5. Pick up the dry sample and weigh.
6. Cut a suitable portion of the dry sample by means of a Jones Splitter for further processing. If the material weighs less than 500 lbs. the whole sample is processed. If the sample weighs better than 500 lbs. a representative portion approximately 250 to 300 lbs. is cut for processing. The amount of material processed is estimated as the amount required to yield 2 lbs. minimum of concentrate from the minus 20 mesh fraction. On samples weighing better than 500 lbs. an equivalent weight of the material processed is labeled and held separate in case any particular sample is required for future reference. The excess of all hole samples is stockpiled in a common stockpile.

7. Screen the portion cut in Step 6 on a Hummer Vibrating Screen dressed with a 20 mesh screen. The oversize is rescreened until it contains less than 1% of minus 20 mesh material.
8. Weigh both portions of the sample.
9. Label and store the plus 20 mesh.
10. Table the minus 20 mesh fraction on a quarter-deck Deister Concentrating Table, cutting approximately 20 to 25% of the feed to concentrate. If the weight of rougher table concentrate is greater than 25 lbs. the product is retabled, reducing the weight of concentrate to approximately 25 lbs.
11. Screen the rougher or #1 cleaner concentrate on 35 and 65 mesh, producing 3-size fractions.
12. Clean the 3-size fractions separately by retabling. On the minus 20 plus 35 mesh fraction two or three cleanings are required to make a product low in quartz and feldspar. One cleaning is sufficient on the minus 35 mesh plus 65 mesh and the minus 65 mesh portions to reduce the quartz and feldspar content to the desired amount.

13. Dry concentrates and cleaner tails separately.
14. Weigh the individual concentrates and combine as one concentrate representative of the drill hole.
15. Record all weights indicated in outline on individual data sheets for each hole or part of hole. The weight of the plus 3/8 inch fraction is obtained from the drill hole log sheet.
16. Calculate the percent size distribution of the plus 3/8 inch, minus 3/8 inch plus 20 mesh, and minus 20 mesh fractions and the percent weight of concentrate.
17. Compare a weighed portion of the concentrate for radioactivity with an equal weight of high-grade monazite (95% monazite) and calculate a percent monazite equivalent.
18. Package and ship samples of concentrate to analytical laboratories for analysis.

In addition to the above operations two other factors have been investigated on certain of the drill hole samples as listed below:

1. Jig concentration of the plus 20 mesh fraction of drill hole 103B. In this test all of the plus 20 mesh material was jigged. The concentrate obtained did not contain a noticeable amount of magnetite, ilmenite, or other minerals of high specific gravity, nor did this product produce a measurable radioactive count.
2. Magnetic concentration studies on the 3 screen size fractions of concentrate from hole 571, which are outlined as follows:
   a. Minus 20 mesh plus 35 mesh.
      1) Percent magnetite.
      2) Percent magnetics at 0.5 amperes.
      3) Percent magnetics at 1.0 amperes.
      4) Percent magnetics at 1.5 amperes.
      5) Percent magnetics at 2.0 amperes.
      6) Percent magnetics at 2.5 amperes.

b. Minus 35 mesh plus 65 mesh.
   1) Percent magnetite.
   2) Percent magnetics at 1.75 amperes.
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It is also planned that similar investigations will be made of selected samples as the drilling program proceeds. The Galigher Company charges have been based on a daily fee of $46.50 per 8 hour day. This sum includes the salaries and wages of metallurgists and laboratory technicians, in addition to the use of all the company's facilities required in the operation. The Galigher Company have assured us that this fee is positively on a break-even basis so far as they are concerned. The Galigher Company is performing this work on a cost basis because of long established friendly relations with this company and their desire to participate in any research connected with new materials.

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(1) 5. Assaying

The estimated cost of assaying is based on assays for combined columbium-tantalum on all samples from the 34 drill holes completed during the 1951 season in addition to the proposed 115 drill holes at the rate of $50.00 per sample as quoted by Ledoux and Company, New York City for such determinations.

Yours very truly,

PORTER BROS. CORPORATION

D. L. Skidmore

By: D. L. Skidmore,
Secretary and Treasurer

DLS:dms

PORTER BROS. CORPORATION

411 PAULSEN BUILDING
SPOKANE 1, WASHINGTON

ROBERT P. PORTER, PRESIDENT
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DAVID L. SKIDMORE, SECRETARY AND TREASURER

TELEPHONE
RIVERSIDE 0658

November 27, 1951

Defense Minerals Administration
Minor and Rare Metals Branch
Washington 25, D.C.

Attention: Mr. E. R. Gordon

Re: DMA Docket #1899

Gentlemen:

We wish to submit additional details regarding the requirements and costs in connection with the above numbered docket.

(a) Labor

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Total replacement cost	$16,315.00

(h) Materials and supplies

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      4) Percent magnetics at 1.5 amperes.
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      6) Percent magnetics at 2.5 amperes.

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   2) Percent magnetics at 1.75 amperes.
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It is also planned that similar investigations will be made of selected samples as the drilling program proceeds. The Galigher Company charges have been based on a daily fee of $46.50 per 8 hour day. This sum includes the salaries and wages of metallurgists and laboratory technicians, in addition to the use of all the company's facilities required in the operation. The Galigher Company have assured us that this fee is positively on a break-even basis so far as they are concerned. The Galigher Company is performing this work on a cost basis because of long established friendly relations with this company and their desire to participate in any research connected with new materials.

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Yours very truly,

PETER MOS. CORPORATION

D. L. Gridmore

By: D. L. Gridmore,
Secretary and Treasurer

DLG:dms

Draft Nov. 13, 1951

To: Director Production Expansion Division

From: Director, Supply Division

Subject: D.A-1899 - Monazite - Porter Brothers Corporation
Bear Valley, Idaho

We herewith transmit for review docket D.A-1899, submitted under date of July 26, 1951, for an exploration project in the sum of $ for a government participation of $ (90).

To date this application has been studied by the Geological Survey (see attached memorandum of August 8, 1951, from J. Norton to W. Bourret) and by the Bureau of Mines, Mr. M. Kline, U.S.B.M., Bluemont, Virginia, who is familiar with the docket and may be referred to in connection with its processing and for consultation regarding whether a field examination should be made.

Information required for final review has just been received, and to expedite this we remit the entire docket which is herewith enclosed with the exception of form MF-100, which may probably be obtained from Mr. Speaker's office.

Additional [illegible] and [illegible]

Bonds and Crossheads $3,500.00

Operating Equipment to be Rented

Case D. Tractor B. P.

[illegible] at $ per hour $

Operating Equipment to be Purchased

None Operating

Operating Equipment to be furnished by Operator

1 Harpster [illegible], self propelled, including [illegible] [illegible] per month

1 Miller Prospector Drill Truck mounted, including [illegible] $350 per month

1 GMC [illegible] Truck $[illegible]

1 International [illegible] Truck $[illegible]

1 [illegible] Harpster Truck [illegible]

1 GMC [illegible] Truck $100.00

1 [illegible] pickup Truck $100.00

1 Ford [illegible] pickup Truck $100.00

Labor and Supervision

2 drillers, $2.00 per hour [illegible] $[illegible] per day

2 helpers, $1.50 per hour " " " " " "

2 roustabouts $1.25 per hour " " " " " "

1 general $1.50 per hour " " " " " "

1 Engineer $300 per month

1 [illegible] $300 per month

Other Equipment & Repairs

None.

3rd Quarter – Complete processing drill samples including all assays thereof, prepare and submit report to Government with maps, logs of all holes, all sample data and analysis of results obtained.

Note: Because of extreme weather conditions the project might not be completed until a year from date has elapsed.

Estimated Costs

(a) Labor, supervision, including board,	$ 30,400.00
(b) Cook and houseboy	3,500.00
(c) [illegible]	1,800.00
(d) [illegible]	7,000.00
(e) [illegible]	12,000.00
(f) Transport of drill	950.00
(g) Transport of samples to Salisbury City	3,100.00
(h) Hardware, metal, [illegible] at $550 per month	500.00
(i) Processing of samples by the Falcon Co.	23,000.00
(j) Assays, (Charges Tables etc).	7,500.00
Total Estimated Cost of Project	$ 89,750.00

50 750 lbs/ton

Project: Operation a large area of placer deposits by where drilling ~~[illegible]~~ has demonstrated the presence of average [illegible] together with some [illegible] and reasonably bearing gravels, by drilling 115 churn drill holes of approximately 6" diameter and average calculated depth of 50 feet, for an estimated total of 5,750 feet of drill hole. Drill holes are to be along lines approximately 1500 feet apart, with holes spaced ~~at~~ 200 feet along the lines, as outlined on accompanying map. Samples from the 115 drill holes are to be sacked and shipped to the Galesher Company, Salt Lake City, for concentration and testing, after which samples of the concentrates will be sent out for assay together with natural from 21 holes drilled in prospecting operations on the site of the ~~[illegible]~~ ~~[illegible]~~ Gravels. Whether to put these claims to have the crew, or build accommodations with project is optional with the applicant, ~~[illegible]~~ Economically the board for the road (or [illegible]) to get to the site does not appear [illegible].

Time Schedule

~~[illegible]~~ - That 1950 working days or five months is required to complete the project, [illegible] ~~[illegible]~~ [illegible] conditions, drilling might be delayed until June 1, 1952, and possibly not be completed until September in 1952. ~~[illegible]~~ Thus, work may or may not start until July, 1952, or sometime after approval of the contract, and be completed within the years following approval.

Tentative Time schedule follows:

1st quarter (actual working time) - Drill approximately 69 drill holes; start processing samples of the holes and complete processing of samples from the holes previously drilled.

2d quarter (actual working time) - Drill 46 drill holes to complete the holes, continue processing drilling samples.

PORTER BROS. CORPORATION

411 PAULSEN BUILDING
SPOKANE 8, WASHINGTON

ROBERT P. PORTER, PRESIDENT
REUEL G. PHILLIPS, VICE-PRESIDENT
DAVID L. SKIDMORE, SECRETARY AND TREASURER

TELEPHONE
RIVERSIDE 0658

November 9, 1951

Please phone for any questions, etc. ERG. ask for either Robert Porter or David Skidmore.

Mr. Weston G. Bourret, Chief
Minor and Rare Metals Branch
Defense Minerals Administration
Washington 25, D. C.

Re: DMA Docket-1899
Columbiam-tantalum
Uranium, Monazite,
rare earth ores.

Dear Mr. Bourret:

We submit herewith certain additional information in connection with our application for aid for the exploration project at Bear Valley, Idaho, under DMA Docket-1899.

Experience gained during the progress of the exploration work carried on by us this past season including laboratory research as well as actual drilling has indicated that the amount we originally estimated as being sufficient to carry out the program is entirely too low. We have thus far expended approximately $20,000 on the project and it can definitely be stated that there is a tremendous potential yardage of material in Bear Valley. Due to the fact that no deposit of this character has been found in this country and that no one has heretofore had any experience from which we could draw, it has been necessary for us to "pioneer" a great deal of the methods and procedures involved in handling the drill hole samples and performing the laboratory work.

We are planning under this proposal to complete the laboratory and assay work on the samples now on hand from this past season's drilling and to proceed next spring with a program designed to block out sufficient yardage to warrant installation of a dredge or dredges at an early date should the results warrant it.

As our original estimate of $50,000 is much too low to complete the project we request that it be revised to $92,000.

As you are aware, the Atomic Energy Commission is very much interested in this project and on our trip to New York this week we discussed the property and our program with Mr. Dean Frasche of Union Carbide and Carbon Company. Mr. Frasche has requested that we furnish him samples of our concentrates for assay. He stated that due to the presence of Columbium-tantalum in the material his company would be very much interested if a commercial deposit is indicated by the exploration work.

There is submitted herewith the following material:

1. Maps of the Bear Valley property on which the location of the drill holes completed is shown in black. The proposed location of 115 drill holes to be put down in 1952 is shown in red.

2. A tabulation consisting of 2 sheets showing the results of laboratory work thus far completed. The U_3O_8 and monazite determinations were furnished by Mr. M. H. Kline of SMI branch of the Bureau of Mines at Bluemont, Virginia. All other data shown was prepared by The Galigher Company at their Salt Lake City Laboratory.

3. Copy of letter dated September 6, 1951, from Molybdenum Corporation of America indicating results of their assays for Columbium-tantalum and titanium oxides on concentrate samples furnished by The Galigher Company.

4. Copy of letter dated October 2, 1951, from Vitro Chemical Company to The Galigher Company indicating results of their assays for U_3O_8 on concentrate samples submitted to them by The Galigher Company.

5. Copy of Supplementary agreement to Mining Lease dated the 31st day of July, 1951.

6. Copy of contract modifying mining lease dated the 1st day of October, 1951.

7. Supplemental information for Questions 7 and 9, Form MF-103.

8. Supplemental information for Question 10(a), Form MF-103.

9. Supplemental information for Question 21, Form MF-103. setting forth proposed additional work.

10. Revised estimate of Requirements and Costs.

We trust this information will be sufficient to expedite handling of our application in order that we may proceed immediately with the laboratory work and assaying and to prepare ourselves for the actual drilling in the field next spring. If any additional information is desired, please advise us and we will furnish it promptly.

We appreciate the courtesies extended us while in Washington and the cooperation of the various departments in assisting us in preparing this data.

Yours very truly,

PORTER BROS. CORPORATION

R. P. Porter

R. P. Porter
President

RPP:mel

Table No. 1

C O P Y

Hole No.	Lot No.	Test No.	Footage Tab.	Wt. in Lbs -3/8" +3/8"	Wt. in Lbs -3/8" +20 M	Wt. in Lbs -3/8" -20M	Wt. in Lbs -3/8" Total	% Wt. -3/8" +3/8"	% Wt. -3/8" +20 M	% Wt. -3/8" -20 M	-3/8" Feed to Screen Wt.	-3/8" Feed to Screen % of -3/
88-D	855-A	1	0'-21'	13.0	98.0	105.0	216.0	6.02	45.37	48.61	213.0	100.0
103-D	855-B	1	0'-18'	14.5	110.0	182.0	306.5	4.73	35.84	59.43	292.0	100.0
103-B	855-C	1	0'-18'	17.5	87.0	106.5	211.0	8.29	41.21	50.50	193.5	100.0
57-D	863-A	1	0'-24'	57.5	230.5	232.5	520.5	11.03	44.34	44.63	463.0	100.0
57-I	863-B	1	0'33'	79.5	293.0	395.0	767.5	10.37	38.14	51.49	688.0	100.0
57-K	863-C	1	0'31'	72.5	228.5	289.0	590.5	12.27	38.65	49.08	518.0	100.0
44-Q	867-A	1	0'-50'	131.5	414.5	462.5	1008.5	13.0	41.1	45.9	224.0	25.5
16 44-C	867-B	1	0'-82'	154.0	691.0	689.0	1534.0	10.1	45.0	44.9	348.5	25.2
44-J	867-C	1	0'-61'	111.0	470.0	433.5	1014.5	10.94	46.36	42.70	230.75	25.5
44-J	867-C	2	0'-61'	111.0	470.0	433.5	1014.5	10.94	46.36	42.70	221.0	24.5
44-J	867-D	1	61'-92'	76.0	245.5	267.0	588.5	12.9	41.7	45.4	257.0	50.2
44-2U	867-E	1	0'-88'	54.0	406.5	765.0	1225.5	4.41	33.19	62.4	289.25	24.7
44-2N	867-F	1	0'61'	34.0	368.5	591.5	994.0	3.42	37.10	59.48	299.5	31.2
44-2N	867-G	1	61'-105'	23.5	183.0	401.0	607.5	3.87	30.14	65.99	294.0	50.5
44-2G	867-H	1	0'-79.5'	72.5	492.5	803.9	1368.9	5.30	36.0	58.7	328.8	25.4
44-2Y	867-I	1	0'-81'	67.5	474.0	872.5	1414.0	4.77	33.50	61.73	328.0	24.4

Holes 88-D, 103-D, 103-B - Plus 3/8" fraction actually plus 1/2"

Table No. 2

C O P Y

Hole No.	Test No.	Wt. of Con. Prod.	Wt. of Con from Hole (calc)	Con % Total Wt.	Con lbs/yd.	Ø Con/ U_3O_8%	Lbs. U_3O_8 per yd³ **	Lbs. Monazite per cu. yd. **
88-D	1	2.464	2.464	1.1411	30.8	0.012	0.0037	1.03
103-D	1	4.572	4.572	1.490	40.23	0.043	0.0173	1.92
103-B	1	2.785	2.785	1.320	35.64	0.043	0.0153	1.63
57-D	1	5.108	5.108	0.981	26.49	0.011	0.0029	0.77
57-I	1	8.059	8.059	1.050	28.35	0.022	0.0061	1.36
57-K	1	5.892	5.892	0.997	26.92	0.026	0.0050	0.84
44-Q	1	2.296	8.99	0.892	24.08	0.019	0.0046	0.50
44-C	1	2.738	10.83	0.706	19.06			0.42
44-J	1	1.637	6.215	0.613	16.55			0.38
44-J	2	1.505	6.150	0.606	16.36			
44-J	1	1.580	3.150	0.535	14.44	0.029	0.0042	0.49
44-2U	1	2.251	9.135	0.745	20.11	0.020	0.0040	0.53
44-2N	1	1.938	6.210	0.625	16.87	0.017	0.0029	0.42
44-2N	1	3.142	9.120	1.502	40.55			1.01
44-2G	1	2.891	11.390	0.832	22.46			
44-2Y	1	3.317	13.600	0.964	26.03			

Wt. of Conc. Produced is weight of conc obtained from tabling the -20 mesh portion of the -3/8" feed to screen (Table No. 1)

* If all the radioactivity were attributed to monazite.

** Analytical work done by SMIB - (reported by Mr. Porter)

Ø % of U_3O_8 in con. obtained from composit sample.

Porter Bros. Corporation
411 Paulsen Building
Spokane 1, Washington

THE REQUIREMENTS AND COSTS
(Revised)

Summary of Estimated Costs

(a)	Labor	$25,800	$ 28,050.00
(b)	Supervisers		4,600.00
(c)	Repairs to existing facilities	(none)	
(d)	Construction of additional facilities		3,500.00 * *
(e)	Equipment to be purchased	(none)	
(f)	Equipment rental		1,800.00
(g)	Rental value of equipment owned		7,000.00
(h)	Materials and supplies		12,000.00
(i)	Laboratory and miscellaneous		35,050.00
		Total	$ 92,000.00

Details of Estimated Costs

(a)	Labor	
	2,400 hrs. drillers (2) @ $2.00	$ 4,800.00
	2,400 hrs. drill helpers (2) @ $1.50	3,600.00
	2,400 hrs. panners (2) @ $1.75	4,200.00
	4,800 hrs. labor (4) @ $1.50	7,200.00
		$ 19,800.00
	Board for 10 men @ $4 per day each for 150 days	6,000.00
	3 cabins @ $5 per day each for 150 days	2,250.00
	Total labor cost	$ 28,050.00

(b) Supervisors

1-Engineer-supervisor - 5 months @ $500	$ 2,500.00
Board @ $4 per day for 150 days	600.00
1-Clerk-5 months @ $300 - Part time 300 475	1,500.00 ?
Total supervisors	$ 4,600.00

(c) Repairs to existing facilities none

(d) Additional facilities

No plans have been made to provide housing and boarding facilities for the drill crews. During the past season the men were housed and boarded at Deadwood Lodge, a commercial establishment located 14 miles from the project. The Company paid $4 per day per man for board and $5 per day for a cabin.

Should it be deemed advisable to provide board and sleeping accommodations on the project next spring, it is estimated that the cost of such facilities would be approximately $3,500 which sum is included in the summary above.

(e) Equipment to be purchased none

(f) Cost of rental for equipment proposed to be rented

In order to commence operations as early as possible next season, it will be necessary to rent a caterpillar tractor to clear the snow from the road to the property. It is estimated that this work will require 15 days of 8 hours per day. Rental of the equipment is estimated at $15 per hour.

Total rental 120 hours @ $15 1,800.00

(g) Rental value of equipment owned

1 - Keystone #71 Drill, self-propelled on caterpillar tracks, including pipe, bits, tools and accessories	$ 350.00 per month
1 - Hillman Prospector Drill, mounted on Studebaker 6 x 6 truck, including pipe, bits, tools and accessories	350.00 per month
1 - GMC 4 ton flat bed truck	150.00 per month
1 - International 2½ ton flat bed truck	150.00 per month
1 - International 1 ton pickup truck	100.00 per month
1 - GMC 1 ton flat bed truck	100.00 per month
1 - GMC 3/4 ton pick-up truck	100.00 per month
1 - Ford 1/2 ton pick-up truck	100.00 per month
	$1,400.00 per month

Total Rental value 5 months $7,000.00

115 [illegible]
575 ft.

(h) All materials and supplies required for operation of drills and trucks and for the handling, transporting and shipping of drill hole samples and concentrates $ 12,000.00

(i) 1. Cost of loading, shipping and delivery to the project of 1-Hillman Prospector Drill now at Nogales, Arizona. 950.00 ?

2. Cost of trucking and freight charges on drill hole samples from field to warehouse and from warehouse to The Galigher Company at Salt Lake City. 3,100.00

3. Rental of warehouse not owned - 10 months @ $50 500.00

breakdown

4. Cost of charges by The Galigher Company for concentrating and laboratory determinations on drill hole samples and concentrates, preparation of and shipment of samples to laboratories - Total estimated cost 23,000.00 - $17250

5. Assaying costs - Total estimated 7,500.00

Total estimated cost item (i) $ 35,050.00

17250
2550
$19800

VITRO CHEMICAL COMPANY
600 W. 33rd So. St.
Salt Lake City 15, Utah

c
o
p
y

P.O. Box 67
South Salt Lake Station

Tel: 8-1942

October 2, 1951

The Galigher Company
545 W. 8th South St.
Salt Lake City 4, Utah

Attention: Mr. Harold Wright

Dear Harold:

Our laboratory reports the following results upon the samples you submitted to us from Porter Brothers.

Our Sample No.		Your No.	Date	% U_3O_8
1488	(863A-20 plus 35)	377	8-21	0.067
1489	(863Bminus 20 plus 35)	538	8-22	0.054
1490	(863A minus 65)	810	8-21	0.052
1491	(863Aminus 35 plus 65)	1135	8-21	0.060
1492	(863B minus 35plus 65)	1507	8-22	0.071
1493	(863B minus 65)	1618	8-22	0.090

We hope these results are of some help to you. The above-numbered pulps are being returned in a separate container. If we can be of further assistance please call on us.

Yours very truly,

VITRO CHEMICAL COMPANY

M. G. McGrath

REW:irs

C O P Y

MOLYBDENUM CORPORATION OF AMERICA
Washington
Pennsylvania

September 6, 1951

E. A. Lucas
Executive Vice President

Porter Bros. Corporation
41 Paulsen Building
Spokane, Washington

Gentlemen:

We now report as follows on samples received from you and referred to in wires of 8/20 and 8/21:

Sample No.	% Columbium & Tantalum Oxide	% Titanium Oxide	% Uranium Oxide
Test #1 855A-65 Cl. Table Conc.	3.80	8.40	None
Test #1 855C-65 Cl. Table Conc. 665	2.90	8.50	None
Test #1 855A-35/65 Cl. Table. Conc.	4.60	8.20	None
Test #1 855C-20/35 Cl. Table Conc. #2	5.50	13.00	None
Test #1 855C-35-65/Cl. Table Conc.	4.70	14.00	None

Very truly yours,

E. A. Lucas

EAL:wfb
cc-Mr. Marx Hirsch

Porter Bros. Corporation
411 Paulsen Building
Spokane 1, Washington

DMA docket-1899
Prospecting-Bear Valley, Idaho
Columbium-tantalum, uranium, monazite, rare earths

Supplemental information in connection with data furnished with the following forms previously submitted:

(1) Form MF-100 dated June 27, 1951
(2) Form MF-103 dated July 26, 1951

THE APPLICANT

Form MF-103 Question 7

The lease submitted with Form MF-103 has been modified in certain respects and copies are furnished herewith of the supplementary agreement dated July 31, 1951, and of the modifying agreement dated October 1, 1951.

The lease is in good standing.

Form MF-103 Question 9

Approximately $20,000 has thus far been invested by this company in the project. The company is prepared to invest an additional $9,200.00 which is sufficient to pay the company's part of the project as detailed in Question 23.

Porter Bros. Corporation
411 Paulsen Building
Spokane 1, Washington

THE PROPERTY
(Supplemental Information)

Form MF-103 Question 10(a)

In addition to the property comprising 5,440 acres covered by the lease accompanying Form MF-103, the company has completed negotiations to lease the land known as the McDowell property. This lease has been written, approved by all parties and has gone forth for signatures. The property comprises approximately 5,600 acres and lies along the easterly side and is contiguous to the land already under lease.

Negotiations are proceeding for leasing the so-called Harris property which is also contiguous to and along the easterly side of the presently leased property at the upper end of Bear Valley. This tract comprises approximately 1,800 acres.

Porter Bros. Corporation
411 Paulsen Building
Spokane 1, Washington

THE EXPLORATION
(Supplemental Information)

Form MF-103 Question 21

Form MF-103, as filed, detailed the then proposed work and methods to be used. The company proceeded with the drilling program during the 1951 season and put down 34 drill holes as indicated in black on the accompanying maps.

Drill samples from 15 holes have been shipped to The Galigher Company at Salt Lake City where they were concentrated to determine the weight of black minerals per cubic yard and other pertinent information. After several holes had been processed we were instructed to forward representative samples of the concentrates to the laboratory of the Special Minerals Branch of the Bureau of Mines at Bluemont, Virginia, for determinations of radio-active materials. Results of the work thus far completed by The Galigher Company and the Bureau of Mines at Bluemont are shown on tabulations furnished herewith.

The further work proposed to be done on this project and for which aid is requested consists of the following:

1. Preparation and shipping of concentrate samples now on hand at The Galigher Company to the following for assaying:

   (a) Bureau of Mines, Bluemont, Virginia
   (b) Atomic Energy Commission, New York, N. Y.
   (c) Union Carbide and Carbon Company, New York, N.Y.
   (d) Ledouk and Company, New York, N. Y.
   (e) Such other laboratories as may seem advisable.

2. Handling and shipping the balance of the past season's drill hole samples from our warehouse to The Galigher Company at Salt Lake City.

3. Concentrating and laboratory determinations by The Galigher Company on the past season's drill hole samples which have not yet been completed.

4. Preparation and shipping of concentrate samples from above drill hole samples to the various laboratories listed in 1 above.

5. Opening of roads to the property in the spring of 1952 to permit early resumption of the drilling program.

6. Proceeding with a drilling program in 1952 designed to determine the value and extent of the deposits on the leased property with a view to install a mining operation thereon. The proposed location of 115 drill holes is indicated in red on the maps furnished herewith.

5750

45-50' deep

7¼" hole for 6" casing

7. All necessary sacking, transporting and delivery of the drill hole samples to The Galigher Company in the same manner as handled in the 1951 season.

8. All concentrating and laboratory determinations on the samples by The Galigher Company.

9. Preparation and shipping of concentrate samples to the various laboratories listed in 1 above.

It is estimated that the time required for the project in the field will be approximately 150 working days for two drills. It is estimated that the laboratory and assay work will require an additional 90 days after completion of the drilling in the field.

The uncertainty of weather conditions in the project area which may delay opening up the ward in the spring and curtail it in the fall makes it impossible at this time to state that the field work can be completed in the 1952 season. Furthermore, the complexity of the material and the fact that most assay laboratories are overcrowded with work may extend the time required to complete the project beyond that now anticipated. In any event, however, it is estimated that the entire program will be completed by October 31, 1953.

PORTER BROS. CORPORATION

411 PAULSEN BUILDING
SPOKANE 1, WASHINGTON

ROBERT P. PORTER, PRESIDENT
REUEL G. PHILLIPS, VICE-PRESIDENT
DAVID L. SKIDMORE, SECRETARY AND TREASURER

TELEPHONE
RIVERSIDE 0668

February 13, 1952

Mr. Ernest Wm. Ellis, Acting Chief
Rare and Misc. Metals Division
Defense Minerals Exploration Administration
United States Department of the Interior
Washington 25, D. C.

Re: DMA Docket 1899
(Monazite Tantalum Columbium Uranium)
Porter Bros. Corporation
Exploration-Valley Co., Idaho

Attention: Mr. Knouse

Dear Mr. Ellis:

In compliance with your request we are enclosing four copies of the contract between this company and C. W. McDowell, et al, covering the property known as the McDowell Property located in Bear Valley, Valley County, Idaho.

We also enclose six copies of a statement setting forth the names of the claims covered by the contract showing the recording number, date of filing, date of posting, and approximate acres. The enclosed papers are submitted in order to bring your files up to date.

I wish to thank you and your staff for the cooperation extended to me while I was in Washington. If there is any further information you may desire, please do not hesitate to write us and we will be more than pleased to forward it to you.

Yours very truly,

PORTER BROS. CORPORATION

R P Porter

R. P. Porter,
President

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 15 1952

RPP:dms

Enc.

Porter Bros. Corporation
411 Paulsen Building
Spokane, Washington DMA Docket #1899

McDOWELL PROPERTY

NAME	RECORDED NUMBER	DATE FILED	DATE POSTED	APPROX. ACRES
Ayers Meadows Placer Group #1	42375	May 4, 1951	April 8, 1951	80
Ayers Meadows Placer Group #2	42376	May 4, 1951	April 8, 1951	80
Ayers Meadows Placer Group #3	42377	May 4, 1951	April 8, 1951	80
Ayers Meadows Placer Group #4	42378	May 4, 1951	April 11, 1951	80
Ayers Meadows Placer Group #5	42379	May 4, 1951	April 11, 1951	80
Ayers Meadows Placer Group #6	42380	May 4, 1951	April 11, 1951	80
Ayers Meadows Placer Group #7	42381	May 4, 1951	April 11, 1951	80
Wyoming Creek Placer #1	42756	June 21, 1951	May 24, 1951	160
Cache Creek Placer Group #10	42761	June 21, 1951	May 24, 1951	160
Banner Placer Group #1	42366	May 4, 1951	April 13, 1951	320
Banner Placer Group #2	42367	May 4, 1951	April 13, 1951	320
Banner Placer Group #3	42368	May 4, 1951	April 13, 1951	160
Banner Placer Group #4	42369	May 4, 1951	April 13, 1951	320
Banner Placer Group #5	42370	May 4, 1951	April 14, 1951	80
Banner Placer Group #6	42371	May 4, 1951	April 18, 1951	80
Banner Placer Group #7	42372	May 4, 1951	April 12, 1951	80
Banner Placer Group #8	42762	June 21, 1951	May 21, 1951	160
Sack Creek Placer #1	42758	June 21, 1951	May 24, 1951	160
Sack Creek Placer #2	42759	June 21, 1951	May 24, 1951	160
Sack Creek Placer #3	42760	June 21, 1951	May 24, 1951	160
Rache (Roche)	43158	Aug. 14, 1951	July 17, 1951	80
Valley Placer Group #1	42750	June 21, 1951	May 20, 1951	160
Valley Placer Group #2	42751	June 21, 1951	May 15, 1951	160
Valley Placer Group #3	42752	June 21, 1951	May 15, 1951	160
Valley Placer Group #4	42753	June 21, 1951	May 15, 1951	160
Valley Placer Group #5	42754	June 21, 1951	May 18, 1951	160
Valley Placer Group #6	42382	May 4, 1951	April 8, 1951	160
Valley Placer Group #7	42383	May 4, 1951	April 8, 1951	160
Valley Placer Group #8	42384	May 4, 1951	April 8, 1951	160
Valley Placer Group #9	42385	May 4, 1951	April 8, 1951	160
Valley Placer Group #10	42386	May 4, 1951	April 9, 1951	160
Valley Placer Group #11	42387	May 4, 1951	April 9, 1951	160
Valley Placer Group #12	42388	May 4, 1951	April 9, 1951	160
Valley Placer Group #13	42389	May 4, 1951	April 9, 1951	160
Valley Placer Group #14	42390	May 4, 1951	April 9, 1951	160
Valley Placer Group #15	42391	May 4, 1951	April 10, 1951	160
Valley Placer Group #16	42392	May 4, 1951	April 10, 1951	160
Valley Placer Group #16AX	42393	May 4, 1951	April 12, 1951	160
Valley Placer Group #17	42394	May 4, 1951	April 12, 1951	160
Valley Placer Group #17AX	42395	May 4, 1951	April 11, 1951	160
Valley Placer Group #18	42396	May 4, 1951	April 12, 1951	160
Valley Placer Group #25AX	42755	June 21, 1951	May 24, 1951	160
Cache Creek Placer Group #19	42397	May 4, 1951	April 12, 1951	160
Cache Creek Placer Group #20	42398	May 4, 1951	April 12, 1951	160

Valley Placers A5 (Parts of Valley Placers #'s 2, 3, 4 and 5)	43155	Aug. 14, 1951	(Date Amended, July 6, 1951)
Valley Placer A2 (Parts of Valley Placers #'s 1, 2 and 3)	43156	Aug. 14, 1951	(Date Amended, July 6, 1951)

Porter Bros. Corporation
411 Paulsen Building
Spokane, Washington DMA Docket #1899

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Ayers Meadows Placer Group #4	42378	May 4, 1951	April 11, 1951	80
Ayers Meadows Placer Group #5	42379	May 4, 1951	April 11, 1951	80
Ayers Meadows Placer Group #6	42380	May 4, 1951	April 11, 1951	80
Ayers Meadows Placer Group #7	42381	May 4, 1951	April 11, 1951	80
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Banner Placer Group #2	42367	May 4, 1951	April 13, 1951	320
Banner Placer Group #3	42368	May 4, 1951	April 13, 1951	160
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Banner Placer Group #5	42370	May 4, 1951	April 14, 1951	80
Banner Placer Group #6	42371	May 4, 1951	April 18, 1951	80
Banner Placer Group #7	42372	May 4, 1951	April 12, 1951	80
Banner Placer Group #8	42762	June 21, 1951	May 21, 1951	160
Sack Creek Placer #1	42758	June 21, 1951	May 24, 1951	160
Sack Creek Placer #2	42759	June 21, 1951	May 24, 1951	160
Sack Creek Placer #3	42760	June 21, 1951	May 24, 1951	160
Rache (Roche)	43158	Aug. 14, 1951	July 17, 1951	80
Valley Placer Group #1	42750	June 21, 1951	May 20, 1951	160
Valley Placer Group #2	42751	June 21, 1951	May 15, 1951	160
Valley Placer Group #3	42752	June 21, 1951	May 15, 1951	160
Valley Placer Group #4	42753	June 21, 1951	May 15, 1951	160
Valley Placer Group #5	42754	June 21, 1951	May 18, 1951	160
Valley Placer Group #6	42382	May 4, 1951	April 8, 1951	160
Valley Placer Group #7	42383	May 4, 1951	April 8, 1951	160
Valley Placer Group #8	42384	May 4, 1951	April 8, 1951	160
Valley Placer Group #9	42385	May 4, 1951	April 8, 1951	160
Valley Placer Group #10	42386	May 4, 1951	April 9, 1951	160
Valley Placer Group #11	42387	May 4, 1951	April 9, 1951	160
Valley Placer Group #12	42388	May 4, 1951	April 9, 1951	160
Valley Placer Group #13	42389	May 4, 1951	April 9, 1951	160
Valley Placer Group #14	42390	May 4, 1951	April 9, 1951	160
Valley Placer Group #15	42391	May 4, 1951	April 10, 1951	160
Valley Placer Group #16	42392	May 4, 1951	April 10, 1951	160
Valley Placer Group #16AX	42393	May 4, 1951	April 12, 1951	160
Valley Placer Group #17	42394	May 4, 1951	April 12, 1951	160
Valley Placer Group #17AX	42395	May 4, 1951	April 11, 1951	160
Valley Placer Group #18	42396	May 4, 1951	April 12, 1951	160
Valley Placer Group #25AX	42755	June 21, 1951	May 24, 1951	160
Cache Creek Placer Group #19	42397	May 4, 1951	April 12, 1951	160
Cache Creek Placer Group #20	42398	May 4, 1951	April 12, 1951	160

Valley Placers A5 (Parts of Valley Placers #'s 2, 3, 4 and 5)	43155	Aug. 14, 1951	(Date Amended, July 6, 1951)
Valley Placer A2 (Parts of Valley Placers #'s 1, 2 and 3)	43156	Aug. 14, 1951	(Date Amended, July 6, 1951)

Porter Bros. Corporation
411 Paulsen Building
Spokane, Washington DMA Docket #1899

McDOWELL PROPERTY

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Ayers Meadows Placer Group #4	42378	May 4, 1951	April 11, 1951	80
Ayers Meadows Placer Group #5	42379	May 4, 1951	April 11, 1951	80
Ayers Meadows Placer Group #6	42380	May 4, 1951	April 11, 1951	80
Ayers Meadows Placer Group #7	42381	May 4, 1951	April 11, 1951	80
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Banner Placer Group #3	42368	May 4, 1951	April 13, 1951	160
Banner Placer Group #4	42369	May 4, 1951	April 13, 1951	320
Banner Placer Group #5	42370	May 4, 1951	April 14, 1951	80
Banner Placer Group #6	42371	May 4, 1951	April 18, 1951	80
Banner Placer Group #7	42372	May 4, 1951	April 12, 1951	80
Banner Placer Group #8	42762	June 21, 1951	May 21, 1951	160
Sack Creek Placer #1	42758	June 21, 1951	May 24, 1951	160
Sack Creek Placer #2	42759	June 21, 1951	May 24, 1951	160
Sack Creek Placer #3	42760	June 21, 1951	May 24, 1951	160
Rache (Roche)	43158	Aug. 14, 1951	July 17, 1951	80
Valley Placer Group #1	42750	June 21, 1951	May 20, 1951	160
Valley Placer Group #2	42751	June 21, 1951	May 15, 1951	160
Valley Placer Group #3	42752	June 21, 1951	May 15, 1951	160
Valley Placer Group #4	42753	June 21, 1951	May 15, 1951	160
Valley Placer Group #5	42754	June 21, 1951	May 18, 1951	160
Valley Placer Group #6	42382	May 4, 1951	April 8, 1951	160
Valley Placer Group #7	42383	May 4, 1951	April 8, 1951	160
Valley Placer Group #8	42384	May 4, 1951	April 8, 1951	160
Valley Placer Group #9	42385	May 4, 1951	April 8, 1951	160
Valley Placer Group #10	42386	May 4, 1951	April 9, 1951	160
Valley Placer Group #11	42387	May 4, 1951	April 9, 1951	160
Valley Placer Group #12	42388	May 4, 1951	April 9, 1951	160
Valley Placer Group #13	42389	May 4, 1951	April 9, 1951	160
Valley Placer Group #14	42390	May 4, 1951	April 9, 1951	160
Valley Placer Group #15	42391	May 4, 1951	April 10, 1951	160
Valley Placer Group #16	42392	May 4, 1951	April 10, 1951	160
Valley Placer Group #16AX	42393	May 4, 1951	April 12, 1951	160
Valley Placer Group #17	42394	May 4, 1951	April 12, 1951	160
Valley Placer Group #17AX	42395	May 4, 1951	April 11, 1951	160
Valley Placer Group #18	42396	May 4, 1951	April 12, 1951	160
Valley Placer Group #25AX	42755	June 21, 1951	May 24, 1951	160
Cache Creek Placer Group #19	42397	May 4, 1951	April 12, 1951	160
Cache Creek Placer Group #20	42398	May 4, 1951	April 12, 1951	160

Valley Placers A5 (Parts of Valley Placers #'s 2, 3, 4 and 5)	43155	Aug. 14, 1951	(Date Amended, July 6, 1951)
Valley Placer A2 (Parts of Valley Placers #'s 1, 2 and 3)	43156	Aug. 14, 1951	(Date Amended, July 6, 1951)

Porter Bros. Corporation
411 Paulsen Building
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McDOWELL PROPERTY

NAME	RECORDED NUMBER	DATE FILED	DATE POSTED	APPROX. ACRES
Ayers Meadows Placer Group #1	42375	May 4, 1951	April 8, 1951	80
Ayers Meadows Placer Group #2	42376	May 4, 1951	April 8, 1951	80
Ayers Meadows Placer Group #3	42377	May 4, 1951	April 8, 1951	80
Ayers Meadows Placer Group #4	42378	May 4, 1951	April 11, 1951	80
Ayers Meadows Placer Group #5	42379	May 4, 1951	April 11, 1951	80
Ayers Meadows Placer Group #6	42380	May 4, 1951	April 11, 1951	80
Ayers Meadows Placer Group #7	42381	May 4, 1951	April 11, 1951	80
Wyoming Creek Placer #1	42756	June 21, 1951	May 24, 1951	160
Cache Creek Placer Group #10	42761	June 21, 1951	May 24, 1951	160
Banner Placer Group #1	42366	May 4, 1951	April 13, 1951	320
Banner Placer Group #2	42367	May 4, 1951	April 13, 1951	320
Banner Placer Group #3	42368	May 4, 1951	April 13, 1951	160
Banner Placer Group #4	42369	May 4, 1951	April 13, 1951	320
Banner Placer Group #5	42370	May 4, 1951	April 14, 1951	80
Banner Placer Group #6	42371	May 4, 1951	April 18, 1951	80
Banner Placer Group #7	42372	May 4, 1951	April 12, 1951	80
Banner Placer Group #8	42762	June 21, 1951	May 21, 1951	160
Sack Creek Placer #1	42758	June 21, 1951	May 24, 1951	160
Sack Creek Placer #2	42759	June 21, 1951	May 24, 1951	160
Sack Creek Placer #3	42760	June 21, 1951	May 24, 1951	160
Rache (Roche)	43158	Aug. 14, 1951	July 17, 1951	80
Valley Placer Group #1	42750	June 21, 1951	May 20, 1951	160
Valley Placer Group #2	42751	June 21, 1951	May 15, 1951	160
Valley Placer Group #3	42752	June 21, 1951	May 15, 1951	160
Valley Placer Group #4	42753	June 21, 1951	May 15, 1951	160
Valley Placer Group #5	42754	June 21, 1951	May 18, 1951	160
Valley Placer Group #6	42382	May 4, 1951	April 8, 1951	160
Valley Placer Group #7	42383	May 4, 1951	April 8, 1951	160
Valley Placer Group #8	42384	May 4, 1951	April 8, 1951	160
Valley Placer Group #9	42385	May 4, 1951	April 8, 1951	160
Valley Placer Group #10	42386	May 4, 1951	April 9, 1951	160
Valley Placer Group #11	42387	May 4, 1951	April 9, 1951	160
Valley Placer Group #12	42388	May 4, 1951	April 9, 1951	160
Valley Placer Group #13	42389	May 4, 1951	April 9, 1951	160
Valley Placer Group #14	42390	May 4, 1951	April 9, 1951	160
Valley Placer Group #15	42391	May 4, 1951	April 10, 1951	160
Valley Placer Group #16	42392	May 4, 1951	April 10, 1951	160
Valley Placer Group #16AX	42393	May 4, 1951	April 12, 1951	160
Valley Placer Group #17	42394	May 4, 1951	April 12, 1951	160
Valley Placer Group #17AX	42395	May 4, 1951	April 11, 1951	160
Valley Placer Group #18	42396	May 4, 1951	April 12, 1951	160
Valley Placer Group #25AX	42755	June 21, 1951	May 24, 1951	160
Cache Creek Placer Group #19	42397	May 4, 1951	April 12, 1951	160
Cache Creek Placer Group #20	42398	May 4, 1951	April 12, 1951	160

Valley Placers A5 (Parts of Valley Placers #'s 2, 3, 4 and 5)	43155	Aug. 14, 1951	(Date Amended, July 6, 1951)
Valley Placer A2 (Parts of Valley Placers #'s 1, 2 and 3)	43156	Aug. 14, 1951	(Date Amended, July 6, 1951)

Porter Bros. Corporation
411 Paulsen Building
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McDOWELL PROPERTY

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Ayers Meadows Placer Group #3	42377	May 4, 1951	April 8, 1951	80
Ayers Meadows Placer Group #4	42378	May 4, 1951	April 11, 1951	80
Ayers Meadows Placer Group #5	42379	May 4, 1951	April 11, 1951	80
Ayers Meadows Placer Group #6	42380	May 4, 1951	April 11, 1951	80
Ayers Meadows Placer Group #7	42381	May 4, 1951	April 11, 1951	80
Wyoming Creek Placer #1	42756	June 21, 1951	May 24, 1951	160
Cache Creek Placer Group #10	42761	June 21, 1951	May 24, 1951	160
Banner Placer Group #1	42366	May 4, 1951	April 13, 1951	320
Banner Placer Group #2	42367	May 4, 1951	April 13, 1951	320
Banner Placer Group #3	42368	May 4, 1951	April 13, 1951	160
Banner Placer Group #4	42369	May 4, 1951	April 13, 1951	320
Banner Placer Group #5	42370	May 4, 1951	April 14, 1951	80
Banner Placer Group #6	42371	May 4, 1951	April 18, 1951	80
Banner Placer Group #7	42372	May 4, 1951	April 12, 1951	80
Banner Placer Group #8	42762	June 21, 1951	May 21, 1951	160
Sack Creek Placer #1	42758	June 21, 1951	May 24, 1951	160
Sack Creek Placer #2	42759	June 21, 1951	May 24, 1951	160
Sack Creek Placer #3	42760	June 21, 1951	May 24, 1951	160
Rache (Roche)	43158	Aug. 14, 1951	July 17, 1951	80
Valley Placer Group #1	42750	June 21, 1951	May 20, 1951	160
Valley Placer Group #2	42751	June 21, 1951	May 15, 1951	160
Valley Placer Group #3	42752	June 21, 1951	May 15, 1951	160
Valley Placer Group #4	42753	June 21, 1951	May 15, 1951	160
Valley Placer Group #5	42754	June 21, 1951	May 18, 1951	160
Valley Placer Group #6	42382	May 4, 1951	April 8, 1951	160
Valley Placer Group #7	42383	May 4, 1951	April 8, 1951	160
Valley Placer Group #8	42384	May 4, 1951	April 8, 1951	160
Valley Placer Group #9	42385	May 4, 1951	April 8, 1951	160
Valley Placer Group #10	42386	May 4, 1951	April 9, 1951	160
Valley Placer Group #11	42387	May 4, 1951	April 9, 1951	160
Valley Placer Group #12	42388	May 4, 1951	April 9, 1951	160
Valley Placer Group #13	42389	May 4, 1951	April 9, 1951	160
Valley Placer Group #14	42390	May 4, 1951	April 9, 1951	160
Valley Placer Group #15	42391	May 4, 1951	April 10, 1951	160
Valley Placer Group #16	42392	May 4, 1951	April 10, 1951	160
Valley Placer Group #16AX	42393	May 4, 1951	April 12, 1951	160
Valley Placer Group #17	42394	May 4, 1951	April 12, 1951	160
Valley Placer Group #17AX	42395	May 4, 1951	April 11, 1951	160
Valley Placer Group #18	42396	May 4, 1951	April 12, 1951	160
Valley Placer Group #25AX	42755	June 21, 1951	May 24, 1951	160
Cache Creek Placer Group #19	42397	May 4, 1951	April 12, 1951	160
Cache Creek Placer Group #20	42398	May 4, 1951	April 12, 1951	160

Valley Placers A5 (Parts of Valley Placers #'s 2, 3, 4 and 5)	43155	Aug. 14, 1951	(Date Amended, July 6, 1951)
Valley Placer A2 (Parts of Valley Placers #'s 1, 2 and 3)	43156	Aug. 14, 1951	(Date Amended, July 6, 1951)

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McDOWELL PROPERTY

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Ayers Meadows Placer Group #5	42379	May 4, 1951	April 11, 1951	80
Ayers Meadows Placer Group #6	42380	May 4, 1951	April 11, 1951	80
Ayers Meadows Placer Group #7	42381	May 4, 1951	April 11, 1951	80
Wyoming Creek Placer #1	42756	June 21, 1951	May 24, 1951	160
Cache Creek Placer Group #10	42761	June 21, 1951	May 24, 1951	160
Banner Placer Group #1	42366	May 4, 1951	April 13, 1951	320
Banner Placer Group #2	42367	May 4, 1951	April 13, 1951	320
Banner Placer Group #3	42368	May 4, 1951	April 13, 1951	160
Banner Placer Group #4	42369	May 4, 1951	April 13, 1951	320
Banner Placer Group #5	42370	May 4, 1951	April 14, 1951	80
Banner Placer Group #6	42371	May 4, 1951	April 18, 1951	80
Banner Placer Group #7	42372	May 4, 1951	April 12, 1951	80
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Sack Creek Placer #1	42758	June 21, 1951	May 24, 1951	160
Sack Creek Placer #2	42759	June 21, 1951	May 24, 1951	160
Sack Creek Placer #3	42760	June 21, 1951	May 24, 1951	160
Rache (Roche)	43158	Aug. 14, 1951	July 17, 1951	80
Valley Placer Group #1	42750	June 21, 1951	May 20, 1951	160
Valley Placer Group #2	42751	June 21, 1951	May 15, 1951	160
Valley Placer Group #3	42752	June 21, 1951	May 15, 1951	160
Valley Placer Group #4	42753	June 21, 1951	May 15, 1951	160
Valley Placer Group #5	42754	June 21, 1951	May 18, 1951	160
Valley Placer Group #6	42382	May 4, 1951	April 8, 1951	160
Valley Placer Group #7	42383	May 4, 1951	April 8, 1951	160
Valley Placer Group #8	42384	May 4, 1951	April 8, 1951	160
Valley Placer Group #9	42385	May 4, 1951	April 8, 1951	160
Valley Placer Group #10	42386	May 4, 1951	April 9, 1951	160
Valley Placer Group #11	42387	May 4, 1951	April 9, 1951	160
Valley Placer Group #12	42388	May 4, 1951	April 9, 1951	160
Valley Placer Group #13	42389	May 4, 1951	April 9, 1951	160
Valley Placer Group #14	42390	May 4, 1951	April 9, 1951	160
Valley Placer Group #15	42391	May 4, 1951	April 10, 1951	160
Valley Placer Group #16	42392	May 4, 1951	April 10, 1951	160
Valley Placer Group #16AX	42393	May 4, 1951	April 12, 1951	160
Valley Placer Group #17	42394	May 4, 1951	April 12, 1951	160
Valley Placer Group #17AX	42395	May 4, 1951	April 11, 1951	160
Valley Placer Group #18	42396	May 4, 1951	April 12, 1951	160
Valley Placer Group #25AX	42755	June 21, 1951	May 24, 1951	160
Cache Creek Placer Group #19	42397	May 4, 1951	April 12, 1951	160
Cache Creek Placer Group #20	42398	May 4, 1951	April 12, 1951	160

Valley Placers A5 (Parts of Valley Placers #'s 2, 3, 4 and 5)	43155	Aug. 14, 1951	(Date Amended, July 6, 1951)
Valley Placer A2 (Parts of Valley Placers #'s 1, 2 and 3)	43156	Aug. 14, 1951	(Date Amended, July 6, 1951)

Porter Bros. Corporation
411 Paulsen Building
Spokane 1, Washington

DMA Docket # 1899

MINING LEASE

THIS MINING LEASE, Made and entered into this 20th day of October, 1951, by and between C. W. McDOWELL (sometimes known as W. C. McDowell) and ISABEL McDOWELL, husband and wife, of McCall, Idaho, W. R. McDOWELL, the husband of Ruby McDowell, and RUBY McDOWELL, the wife of W. R. McDowell, of Warren, Idaho, HERBERT McDOWELL and BESSIE McDOWELL, husband and wife, of Craigmont, Idaho, RAYE MENDE and MARY MENDE, husband and wife, of McCall, Idaho, JESS JARVIS (sometimes known as Jesse Jarvis and sometimes known as J. Jarvis and sometimes known as W. Jarvis) and _____ JARVIS, husband and wife, of Challis, Idaho, A. A. BENNETT and HATTIE L. BENNETT (sometimes known as Halley L. Bennett and sometimes known as Hallie L. Bennett), husband and wife, of Boise, Idaho and BRAD CARREY, an unmarried man, of McCall, Idaho, parties of the first part, hereinafter referred to and designated as "Lessors", and the PORTER BROS. CORPORATION, a corporation organized and existing under and by virtue of the laws of the State of Delaware, and duly qualified to do business in the State of Idaho by virtue of full and complete compliance with the laws of the State of Idaho relative to foreign corporations doing business in Idaho, and whose post office address is 411 Paulsen Building, Spokane 8, Washington, party of the second part, hereinafter referred to and designated as "Lessee",

W I T N E S S E T H:

For and in consideration of the premises and of the covenants and agreements of the respective parties hereto herein set forth, and of the sum of One Thousand Dollars ($1,000.00) by the Lessee to the Lessors in hand paid, the receipt whereof is hereby acknowledged by the Lessors, it is mutually covenanted and agreed by and between the parties hereto as follows:

SECTION I.

DEFINITIONS

(a) "Lessors" -- The word "Lessors" as used throughout this lease means the parties of the first part above named, and their respective heirs, personal representatives and assigns; that the marital status of each of said Lessors has not changed since he or she acquired his or her interest in the premises hereby leased;

(b) "Lessee" -- The word "Lessee" as used throughout this lease means the PORTER BROS. CORPORATION, a corporation, its successors and assigns, whether by actual assignment or by merger or consolidation, and includes any corporation with which it may be merged or consolidated.

(c) "Leased Premises" -- By "Leased Premises" as used herein, is meant those certain placer mining claims located at Bear Valley, Valley County, Idaho, and more fully described in the certificates of location thereof recorded in the office of the County Recorder of Valley County, Idaho, in Book 5 of Placer Mining Records, and at the pages hereinafter designated. The figures opposite the name of a claim designates the page or pages in said Book 5 of said Placer Mining Records where the certificate of location of said claim is recorded; the word

'original' above the left-hand column indicates the original certificate of location, and the word 'amended' above the right-hand column indicates an amended certificate of location.

The names of the claims and the pages at which said location certificates are recorded in said Book 5 of said Placer Mining Records are as follows:

CLAIMS	PLACER	ORIGINAL BOOK	ORIGINAL PAGE
Ayers Meadows Placer Group #1	"	5	224
Ayers Meadows Placer Group #2	"	5	225
Ayers Meadows Placer Group #3	"	5	226
Ayers Meadows Placer Group #4	"	5	227
Ayers Meadows Placer Group #5	"	5	228
Ayers Meadows Placer Group #6	"	5	229
Ayers Meadows Placer Group #7	"	5	230
Wyoming Creek Placer #1	"	5	101
Cache Creek Placer Group #10	"	5	105
Banner Placer Group #1	"	5	215
Banner Placer Group #2	"	5	216
Banner Placer Group #3	"	5	217
Banner Placer Group #4	"	5	218
Banner Placer Group #5	"	5	219
Banner Placer Group #6	"	5	220
Banner Placer Group #7	"	5	221
Banner Placer Group #8	"	5	315
Sack Creek Placer #1	"	5	103
Sack Creek Placer #2	"	5	104
Sack Creek Placer #3	"	5	104

CLAIMS	PLACER	ORIGINAL BOOK	ORIGINAL PAGE
Rache (Roche)	"	5	412
Valley Placer Group #1	"	5	96
Valley Placer Group #2	"	5	97
Valley Placer Group #3	"	5	98
Valley Placer Group #4	"	5	99
Valley Placer Group #5	"	5	100
Valley Placer Group #6	"	5	231
Valley Placer Group #7	"	5	232
Valley Placer Group #8	"	5	233
Valley Placer Group #9	"	5	234
Valley Placer Group #10	"	5	235
Valley Placer Group #11	"	5	236
Valley Placer Group #12	"	5	237
Valley Placer Group #13	"	5	238
Valley Placer Group #14	"	5	239
Valley Placer Group #15	"	5	240
Valley Placer Group #16	"	5	241
Valley Placer Group #16AX	"	5	242
Valley Placer Group #17	"	5	243
Valley Placer Group #17AX	"	5	244
Valley Placer Group #18	"	5	245
Valley Placer Group #25AX	"	5	100
Cache Creek Placer Group #19	"	5	246
Cache Creek Placer Group #20	"	5	247

Amended Locations as follows:

CLAIMS	PLACER	AMENDED BOOK	AMENDED PAGE
Valley Placers A5 (Parts of Valley Placers #'s 2, 3, 4 and 5)	"	5	117
Valley Placer A2 (parts of Valley Placers #'s 1, 2 and 3)	"	5	118

The description contained in said records are hereby by this reference incorporated herein, and said records are hereby referred to for a more detailed description of said claims.

(d) "Products" -- By "Products" as used herein is meant, but not limited to, any and all gold, minerals, values, ores, sands, rare earths, uranium, monazite, thorium, zircon, ilmenite, magnetite, columbite, zirconium, titanium, and any and all other materials of every kind and nature removed from, on, in, or under said leased premises.

(e) "Processing"-- By the term "Processing" as used herein is meant, but not limited to, mining, milling, dredging, collecting, saving, separating, sizing, jigging, reducing, smelting, or otherwise beneficiating any products to such extent as may be necessary to prepare the same in final condition for marketing.

(f) "Advance Royalty Payments" -- By the term "Advance Royalty Payments" as used herein is meant the amount of $1,000.00 paid coincident with the signature hereof and the amounts to be paid by the Lessee to the Lessors prior to actual mining operations upon the leased premises as provided herein and any payments of guaranteed annual royalty made in excess of the mining royalty in any year.

(g) "Guaranteed Annual Royalty" -- By the term "Guaranteed Annual Royalty" as used herein, is meant the guaranteed minimum annual payments to be made by the Lessee to the Lessors.

(h) "Mining Royalty" -- By the term "Mining Royalty" as used herein is meant any sums paid or to be paid by the Lessee to the Lessors from actual operations upon the leased premises as provided herein.

(i) "Sales Returns" -- By the term "Sales Returns" as used herein, and upon which a ten percent (10%) royalty is to be paid by the Lessee to the Lessors, is meant the gross amount of money, in whatever form received, including any and all bonuses, premiums and rewards, directly or indirectly received from the sale by Lessee of any products removed by the Lessee from the Leased Premises, or any part thereof; Lessee at its own expense to transport the same to such processing plant or plants which may be within the State of Idaho as may be necessary to put the same in final condition for marketing by Lessee. Neither any part of the cost or expense of mining, dredging, collecting, saving, separating, sizing, jigging, nor otherwise removing the products and values from said leased premises, nor any cost or expense of marketing any product after the same shall have been placed by Lessee in such final condition for marketing: EXCEPT That after the same shall have been placed in such final condition for marketing by Lessee, the cost of transportation and insurance and all transportation to any processing plant situate outside the State of Idaho and the Mines License Tax of the State of Idaho and any other licenses, severance or use taxes which may be imposed or levied either by the United States of America or the State of Idaho, upon the products produced from the leased premises during the operations of the Lessee; shall be deducted before said royalty of ten percent (10%) shall be computed. Such license use and severance taxes shall be deducted in the calendar year in which the same shall be paid. As to any products sold to a United States Mint, or any branch or agency thereof, the said ten percent (10%) royalty shall be computed

and paid upon the net returns thereof, and, likewise, as to any product sold to a smelter, or other purchaser, the said ten percent (10%) royalty shall be computed and paid upon the net returns thereof, after deduction only of the license, use and severance taxes hereinbefore mentioned.

RIGHTS GRANTED TO LESSEE

SECTION 2. The Lessors, for and in consideration of the rentals and royalties to be paid, and the covenants and agreements to be observed, kept and performed by the Lessee, for the term hereinafter stated, and upon the terms and conditions hereinafter set forth, do hereby lease, demise and let unto the Lessee the said leased premises.

It is further understood and agreed by and between the Lessors and the Lessee that the mining claims and property hereinbefore described are unpatented mining claims, paramount title to the same being in the United States of America, and such title and right of possession as Lessors have in said property is subject to all the reservations, restrictions, and conditions imposed by existing State and Federal laws and regulations.

EFFECTIVE DATE OF LEASE - TERM

SECTION 3. This Lease and Agreement shall take effect on the date hereinabove first written and shall continue in full force and effect for a period of fifteen (15) years thereafter. The Lessee shall have the right and privilege of renewing this agreement for three (3) further periods of five (5) years each from and after the expiration of said fifteen (15) year period, making a total of thirty (30) years.

SECTION 4. Lessee shall, from the date hereof, have the right and privilege to enter upon said leased premises and test the same for placer gold and other minerals, ores, values, and metals, by drilling holes, sinking shafts, or otherwise, upon said lands during a period extending to November 1, 1952. Said right of prospecting may be continued by Lessee for the period herein provided for by Lessee complying with the terms and conditions herein set forth.

RIGHTS TO PROSPECT AND TEST

When said testing and prospecting is completed, all drill holes, shafts and excavations shall be left in a reasonably safe condition.

SECTION 5. Lessee shall have the right to use the surface of said leased premises and may select and use camp sites on the leased premises and may construct thereon such buildings, shops and concentrating plants as may be necessary in connection with its dredging and mining operations, and shall have the right of ingress to and egress from the leased premises, or any part thereof, for the purpose of constructing and using roads, ditches, pipe lines and power lines. The Lessee shall have the right to use its facilities located upon the leased premises to mine and treat the products taken from any lands adjoining the leased premises. Such rights shall continue in effect during the period of this lease and all renewals thereof.

RIGHT TO USE PREMISES

It is understood and agreed, however, that the leased premises are located within the Boise National Forest, and the rights herein granted are subject to all lawful regulations and restrictions imposed by the Federal Forestry Administration. The buildings or other

improvements erected by Lessee shall be so located as not to conflict with administrative sites and other areas (if any) reserved for National Forest uses.

RUNS WITH THE LAND

SECTION 6. It is agreed that this Mining Lease shall run with the above described real property and be binding upon the successors in title or in interest thereto, and shall be binding upon and shall also inure to the benefit of the respective heirs, personal representatives, executors, administrators, successors and assigns of the Parties hereto.

PROOF OF TITLE - ABSTRACT

SECTION 7. It is agreed that the Lessors have ordered an abstract of title covering the said demised premises and that the same will be delivered to the Lessee at the earliest possible date, and that the Lessee shall have the same examined by its Attorney or Attorneys, and that the Lessee shall on or before November 1, 1952, decide and determine as to whether the possessory title of the Lessors in and to the said demised premises is satisfactory to the Lessee.

It is agreed that the Lessee has or will pay for the cost of said abstract of title for the said leased premises, and in the event that it elects to make the payment hereinafter called for on or before November 1, 1952, that the Lessee shall receive credit for said payment for the cost of said abstract of title, and in the event it elects not to make said payment and not to proceed hereunder that it shall bear the entire cost and expense of said abstract of title, but shall deliver the same to the Lessors.

It is agreed that the Lessee shall have the right to amend the location of each mining claim constituting the leased premises to the end that each such claim shall conform to the legal subdivisions of the Public Survey and to remove defects from such locations and the notices thereof, but shall not be obligated so to do. The Lessors agree to cooperate fully in such amendments.

ADDITIONAL CONSIDERATION FOR LEASE

SECTION 8. If Lessee, after prospecting and testing said leased premises, and after examination of the abstract of title, shall elect to proceed further under this lease, it shall on or before November 1, 1952, give Lessors written notice of its election so to do, and shall pay to the Lessors the sum of Five Thousand Dollars ($5,000.00), and upon the payment of said sum shall have the right thereafter to continue to prospect, test, mine and dredge said property, but not beyond January 1, 1954.

If the Lessee, on or before January 1, 1954, elects to continue its operations hereunder it shall notify the Lessors in writing of such election, and shall on or before said date pay to the Lessors the additional sum of Ten Thousand Dollars ($10,000.00), and then, but not otherwise, the said Lessee may proceed to continue its prospecting, testing and mining operations under the terms and conditions herein provided.

The said payment of One Thousand Dollars ($1,000.00) paid coincident with the execution hereof as hereinbefore provided and said payment of Five Thousand Dollars ($5,000.00) to be paid by November 1, 1952, and said payment of Ten Thousand Dollars $10,000.00) to be paid on or before January 1, 1954, shall

constitute advance payments of mining royalty and shall be recouped and retained by the Lessee from any mining royalty thereafter becoming due in any year in excess of the guaranteed annual royalty for such year.

GUARANTEED ANNUAL ROYALTY

SECTION 9. So long as the Lessee continues hereunder it shall pay to the Lessors as a guaranteed annual royalty the following sums: On or before December 31, 1954, the additional sum of Seventy-five Thousand Dollars ($75,000.00); and beginning with the calendar year 1955 and thereafter during each calendar year the Lessee shall pay to the Lessors As a guaranteed annual royalty the sum of Seventy-five Thousand Dollars ($75,000.00) per year, payable on or before December 31st of each and every year.

If and in the event the Lessee shall at any time notify the Lessors in writing that the Lessee desires to exclude and does exclude that portion of the Cache Creek and Sack Creek areas lying southerly and easterly of a line commencing at the quarter section corner common to Sections 31 and 36, Township 12 North, Range 9 east, Boise Meridian, and extending thence easterly along the half section line in said Section 31 to the quarter section corner common to Sections 31 and 32 in said township and range and thence northerly along the east section line of said section 31 to the northeast corner thereof, thence northerly along the east section line of Section 30 in said township and range to the northwest corner of the southwest quarter of the southwest quarter of Section 29 in said township and range, thence easterly to the northeast corner of the southeast corner of the southwest quarter of said Section 29,

thence north to the center of said Section 29 thence east to the southeast corner of the southwest quarter of the northeast quarter of said Section 29, thence north to the northeast corner of the southwest quarter of the northeast quarter of said Section 29, thence east to the southeast corner of the northeast quarter of the northeast quarter of said Section 29, thence north to the quarter section corner common to Sections 20 and 21 in said township and range, then the guaranteed annual royalty in each calendar year thereafter shall be Fifty Thousand Dollars ($50,000.00) in lieu of and instead of Seventy-five Thousand Dollars ($75,000.00) as herein provided.

Any mining royalty payments made hereunder shall apply upon said guaranteed annual royalty. On the due date of each payment of guaranteed annual royalty as above specified Lessee shall pay to the Lessors such amount as, together with the mining royalties paid to Lessors since the preceding payment on the guaranteed annual royalty shall equal the sum becoming due as herein provided. After the crediting of the mining royalty to the advance royalty payments and to the amounts paid as guaranteed royalty, the remaining mining royalty shall be paid to Lessors.

In the event that the mining royalty paid during any year shall not exceed the guaranteed annual royalty then the amount which the Lessee shall pay in addition to such mining royalty to make up said amount of guaranteed annual royalty shall constitute advance royalty payment and shall be recouped and retained by Lessee from any mining royalty in excess of the guaranteed annual royalty payable in any year thereafter. Mining royalty payments made in any calendar year in excess of the annual guaranteed royalty payments herein provided for shall be carried over to apply on the guaranteed

annual royalty payments for any future years, but not beyond the succeeding two years.

MINING ROYALTY

SECTION 10. As Mining Royalty (referred to herein as such), the Lessee does hereby agree to pay to the Lessors a sum of money equivalent to ten percent (10%) of the sale returns, as defined herein, received from all products recovered by the Lessee through mining or other operations upon the leased premises and sold and disposed by the Lessee.

The mining royalty, as defined herein, payable to the Lessors hereunder shall become due and payable on the20th day of each and every month, and such mining royalty shall be computed on the sales returns, as defined herein, from all products recovered through the mining or other operations of the Lessee on the leased premises for which payment has been received by the Lessee from the sale thereof during the calendar month preceding the month in which such mining royalty payments shall become due. At the time of making each such mining royalty payment, the Lessee shall transmit to the Lessors a true and correct statement of the amount, kind and nature of products recovered by the mining operations of the Lessee upon the leased premises for which mining royalty is then being paid, and with each such mining royalty payment, there shall be transmitted to the Lessors a duplicate mint or smelter return or duplicate statement from any other purchaser or purchasers to whom such mining products shall have been sold.

The aforesaid monthly reports shall be furnished each and every month regardless of whether any mining royalty is to be actually paid.

PAYMENT OF ROYALTIES

SECTION 11. All royalties and other payments to be made hereunder by the Lessee to the Lessors excepting only the initial payment of One Thousand Dollars ($1,000.00) made coincident with the execution of this contract,

shall be paid by the Lessors by depositing the same to their credit in the Boise Branch of the First Security Bank of Idaho, National Association, at Boise, Idaho.

SECTION 12. LESSEE HEREBY AGREES AS FOLLOWS:

PAYMENT OF TAXES AND ASSESSMENTS

(a) The Lessee agrees to pay all property taxes levied and assessed upon the machinery, equipment, buildings and other property placed upon the leased premises by the Lessee, and all ad valorem taxes which may be levied and assessed upon the leased premises.

The Lessee further agrees to carry Workmen's Compensation Insurance upon its employees as required by the statutes of the State of Idaho, and to pay all Unemployment Compensation and Social Security Taxes required by Federal or State of Idaho statutes or regulations to be paid by the Lessee as an employer; PROVIDED, HOWEVER, Lessee shall not be required to pay any State or Federal income taxes levied against Lessors, or any of them.

In the event the validity of any tax shall be tested by litigation in Court, the failure of the Lessee to pay any such tax at the time the same shall become due and prior to the determination of the validity of the tax in such litigation, shall not constitute a violation of the terms of this Mining Lease.

ANNUAL LABOR:

(b) The Lessee shall perform any and all assessment work and annual labor required by law to be performed upon each of the mining claims included in the leased premises in order to hold said mining claims for the year beginning July 1, 1951, and for each and every year thereafter during the term of this lease.

(c) The lessors, their agents or representatives, shall have access at all reasonable times to the workings of the Lessee on said premises and shall, upon demand, be furnished with copies of assay and test reports, and Lessors shall have the right to have a representative or representatives present at all times during the prospecting, drilling, testing and working of said property.

RECORDS INSPECTIONS, AND DATA

The Lessee agrees to keep accurate records of all minerals and mining products which shall be mined and removed by it from the leased premises, to which records, including processing records, and all original papers, documents and supporting data, the Lessors, and their agents or representatives, shall have access at all reasonable times for the purpose of determining that the Lessee has complied with the terms and provisions of this Mining Lease, and that Lessors are receiving all the payments to which they are entitled hereunder.

Lessee shall furnish to the Lessors the results of their sampling, testing and drilling upon said property.

(d) Lessee shall be solely responsible for payment of all labor, materials, equipment and supplies contracted by it or furnished at its instance and request in connection with the conduct of mining operations upon the leased premises; and the Lessee agrees to indemnify and hold the Lessors harmless from and against any and all claims of creditors for such labor, material, equipment or supplies furnished the Lessee.

PAYMENT FOR LABOR AND MATERIALS

The Lessee agrees to conduct its mining operations upon the leased premises in conformity with the laws and regulations of the United States and of the State of Idaho now in force or as they may

be from time to time amended, and to comply with the statutes of the State of Idaho respecting recording and posting of notices.

INDEMNITY:

(e) The Lessee further agrees to indemnify and hold the Lessors harmless against all loss, damage, liability, liens, claims, expenses, costs, causes of action, suits at law or in equity, attorneys' fees, and any and all liability therefor sustained or incurred by the Lessors by reason of or on account of any claim, action, suit or proceedings against the Lessors in any way growing out of or connected with the operations of the Lessee under this lease.

CONDUCT OF MINING OPERATIONS:

(f) All operations conducted by the Lessee upon the leased premises shall be conducted in a good and miner-like manner. If the dredging or other mining operations of the Lessee shall be suspended or prohibited by any State or Federal governmental order this lease shall not be terminated because of any such suspension but shall be extended beyond the term hereinabove set forth for the added period of time covered by such suspension. In any calendar year in which the aggregate period of such suspension or suspensions shall exceed thirty (30) days the mining royalty only need be paid.

If and in the event the production of uranium or any other mineral from the said leased premises shall be suspended or prohibited by any law or order of the United States of America or any of its agencies, or by the State of Idaho, or of its agencies, or if or in the event the market for uranium or any other mineral being produced in substantial quantities from the said leased premises shall be so curtailed or suspended as to substantially

impair the saleability of the said uranium or other mineral, and in any such event, then this lease shall be extended beyond the term therein set forth for the added period of time covered by such suspension or curtailment. In any calendar year in which the aggregate period of such curtailment or suspension shall exceed thirty (30) days, the mining royalty only need be paid.

The suspension or prohibition above referred to is not intended to include any suspension or prohibition by the Federal government, or any department or agency thereof, founded upon any claim by it that a portion of the leased premises is not or has not been subject to valid mining locations by reason of classification or withdrawal by the government for power or reclamation purposes, but in case Lessee's operations are prohibited or suspended by the Federal government or by any department or agency thereof upon a claim so founded the guaranteed annual royalty payable by Lessee hereunder during the calendar year, or calendar years, during which such suspension or prohibition shall be in effect shall be reduced in the proportion that the acreage embraced in the mining claims with respect to which such contention by the government is asserted bears to the total acreage of the mining claims leased hereunder.

SECTION 13. IT IS HEREBY AGREED BY AND BETWEEN THE PARTIES HERETO AS FOLLOWS:

MINING PATENTS

(a) The Lessee shall have the right and privilege of obtaining United States patents to any and all of the demised premises. The cost of obtaining such patents shall be borne by the Lessee and the Lessors shall cooperate and assist in the obtaining of said patents. Said patents shall be obtained in the names of the Lessors.

(b) It is agreed that time is of the essence of this lease.

TIME OF ESSENCE

In the event the Lessee shall fail, refuse or neglect to make any payment of money as required herein, or shall fail, refuse or neglect to perform any other covenant hereof incumbent upon the Lessee to be kept and performed, then, and in that event, the Lessors shall have the option to declare this lease forfeited, which option shall be exercised in the manner following: The Lessors shall give written notice to the Lessee specifying the particulars wherein the Lessee is in default. Should the matter in default as specified in such notice not be corrected, or shown not to exist, within a period of thirty (30) days from the date of mailing such notice in the case of non-payment of money, or within a period of sixty (60) days from the date of mailing such notice in all other instances, then the Lessors shall have the right at their option to declare this lease terminated and all the interest of the Lessee in this lease and the demised premises terminated and forfeited, and said option to so terminate and forfeit shall be exercised by the Lessors giving written notice to Lessee, and in the event notice of their election to terminate and forfeit is given by Lessors the said termination and forfeiture shall be complete thirty (30) days after the mailing of the same, and all the rights of Lessee hereunder shall be deemed terminated and forfeited.

In the event of and upon forfeiture or termination of this lease, the Lessors shall be entitled to retain all sums of money theretofore paid to them under the terms hereof and shall be entitled to collect and receive all sums of money which were payable to them under the terms of this lease as of the date of such forfeiture or termination. Further, in the event of forfeiture or

termination of this lease, the Lessors shall be entitled to resume possession of the leased premises and the Lessee agrees to quit and surrender up the possession thereof immediately to the Lessors, subject to the privilege herein provided to remove therefrom all buildings, structures, mining plants, machinery, equipment, and supplies from said real property.

(c) Lessee shall have the right at any time until January 1, 1954 to cancel this lease, and thereafter shall upon thirty (30) days written notice to the Lessors have the right at any time to cancel this lease, and upon the termination of this agreement for any cause the Lessee shall immediately surrender unto the Lessors all of the premises herein demised without delay or hindrance, and the Lessors shall have the right, immediately upon the expiration or termination howsoever of this agreement, to enter upon the premises aforesaid and to take immediate possession thereof.

SURRENDER OF PROPERTY

In the case of the abandonment of this lease by Lessee, or in case of its cancellation or termination for any cause, Lessee will at once pay to Lessors any and all royalties due them hereunder. In case this lease is forfeited or terminated in any manner and Lessee shall make the payments in subsection (b) of this Section 13 provided for, it shall not be obligated to pay any guaranteed royalty thereafter.

(d) As long as the Lessee is not in default in any of the payments herein provided to be made by the Lessee, it shall have the right during the term hereof and for a period of twelve (12) months from the termination hereof, to remove from the demised premises all machinery, tools,

REMOVAL OF EQUIPMENT

dredges, buildings, pipe lines, power lines and other equipment placed thereon by it, and unless so removed within said period of time the same shall immediately become the property of the Lessors.

NOTICES

(e) All notices given or required to be given under the terms of this agreement by Lessee to Lessors shall be in writing, sent by United States mail, postage prepaid, to Claude V. Marcus at Boise, Idaho, who is hereby designated by all the said Lessors as their agent for such purpose; and such notices shall be addressed to said Claude V. Marcus at his address as above given, unless and until Lessee is notified in writing of any change in such addresses.

Any notices given by Lessors to Lessee may be given on behalf of the Lessors by their agent above named, or a majority of them; such notices shall likewise be in writing and sent by United States mail, postage prepaid, addressed to Lessee at:

411 Paulsen Building
Spokane 8, Washington

All such notices shall be deemed to be given on the date when they are deposited in any United States post office.

(f) After said leased premises shall have been worked out the provision herein as to the payment of the guaranteed annual royalty shall not apply. The Lessee shall have the right to use the leased premises and keep and use its facilities thereon in treating the products taken from any other property of Lessors, and also any products taken from other lands at or in the vicinity of the leased premises.

ASSIGNMENT

(g) This agreement shall be binding upon and inure to the benefit of the parties hereto, their successors, administrators, executors, heirs and assigns.

SECTION 14. It is understood by the parties hereto that any of the operations of the Lessee under the terms hereof may be governed in whole or in part by orders, directions, rules, and regulations and contractual arrangements, terms and provisions required by or with the Atomic Energy Commission, Defense Materials Procurement Authority, and for other governmental agencies, and by laws of the United States of America, and that the Lessors shall cooperate fully in supplementing this contract to the end that the contractual relation of the parties hereto shall be modified to conform to and be in accord with each such law, order, direction, rule, regulation, contractual arrangement or provision which may hereafter be enacted, promulgated or otherwise placed in effect, but neither the percentage of mining royalty nor the amount of guaranteed annual royalty stipulated herein shall be reduced thereby except as in this mining lease otherwise provided.

CONFORMITY TO GOVERNMENTAL REQUIREMENTS

SECTION 15. The marginal captions contained herein are inserted only as a matter of convenience, and for reference, and in no way define, limit, or describe the scope or intent of this Mining Lease, nor in any way affect this Lease.

MARGINAL CAPTIONS

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

C. W. McDowell
C. W. McDowell

Isabelle McDowell
Isabel McDowell

W. R. McDowell
W. R. McDowell

Ruby McDowell
Ruby McDowell

Herbert McDowell
Herbert McDowell

Bessie McDowell
Bessie McDowell

Raye Mende
Raye Mende

Mary Mende
Mary Mende

Jess Jarvis
Jess Jarvis

A. A. Bennett
A. A. Bennett

Hattie L. Bennett
Hattie L. Bennett

Brad Carrey
Brad Carrey

PARTIES OF THE FIRST PART - "LESSORS"

PORTER BROS. CORPORATION
a corporation

By R. P. Porter
President

ATTEST:

D. L. Skidmore
Secretary

PARTY OF THE SECOND PART - "LESSEE"

STATE OF IDAHO)
) ss.
COUNTY OF VALLEY)

On this 18th day of December, in the year 1951, before, me, the undersigned, a Notary Public in and for said State, personally appeared C. W. McDOWELL (sometimes known as W. C. McDowell) and ISABEL McDOWELL, husband and wife, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

H. E. Armstrong
Notary Public for Idaho
Residing at Donnelly, Idaho

STATE OF IDAHO,)
) ss.
COUNTY OF ADA,)

On this 18th day of December, in the year 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared W. R. McDOWELL and RUBY McDOWELL, Husband and wife, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

Catherine L. Sivey
Notary Public for Idaho
Residing at Boise, Idaho

STATE OF IDAHO)
) ss.
COUNTY OF LEWIS,)

On this 31st day of December, in the year 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared HERBERT McDOWELL and BESSIE McDOWELL, husband and wife, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

F. G. Densow
Notary Public for Idaho,
Residing at Craigmont, Idaho

STATE OF IDAHO)
) ss.
COUNTY OF ADA,)

On this 18th day of December, in the year 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared RAYE MENDE and MARY MENDE, husband and wife, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

Catherine L. Sivey
Notary Public for Idaho
Residing at Boise, Idaho

24-pho

STATE OF IDAHO)
) ss.
COUNTY OF CUSTER,)

On this 21st day of December, in the year 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared JESS JARVIS (sometimes known as Jesse Jarvis and sometimes known as J. Jarvis and sometimes known as W. Jarvis), known to me to be the person whose name is subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

Jack B. Furey
Notary Public for Idaho
Residing at Challis, Idaho

STATE OF IDAHO,)
) ss.
COUNTY OF ADA,)

On this 24th day of December, in the year 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared A. A. BENNETT and HATTIE L. BENNETT (sometimes known as Halley L. Bennett and sometimes known as Hallie L. Bennett), husband and wife, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

Claude V. Marcus
Notary Public for Idaho
Residing at Boise, Idaho

STATE OF IDAHO,)
) ss.
COUNTY OF ADA)

On this 18th day of December, in the year 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared BRAD CARREY, an unmarried man, known to me to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

Catherine L. Sivey
Notary Public for Idaho,
Residing at Boise, Idaho

26-pho

STATE OF WASHINGTON)
) ss.
COUNTY OF SPOKANE,)

On this 24th day of January, in the year 1952, before me, the undersigned, a Notary Public in and for said State, personally appeared R. P. Porter, known to me to be the President of Porter Bros. Corporation, the corporation that executed the foregoing instrument, and acknowledged to me that such corporation exeduted the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

Lyle O. Keith
Notary Public for the State of Wash.,
Residing at Spokane, Wash.
My comm. expires: Jan. 1, 1954

Porter Bros. Corporation
411 Paulsen Building
Spokane 1, Washington

DMA Docket #1899

MINING LEASE

THIS MINING LEASE, Made and entered into this 20th day of October, 1951, by and between C. W. McDOWELL (sometimes known as W. C. McDowell) and ISABEL McDOWELL, husband and wife, of McCall, Idaho, W. R. McDOWELL, the husband of Ruby McDowell, and RUBY McDOWELL, the wife of W. R. McDowell, of Warren, Idaho, HERBERT McDOWELL and BESSIE McDOWELL, husband and wife, of Craigmont, Idaho, RAYE MENDE and MARY MENDE, husband and wife, of McCall, Idaho, JESS JARVIS (sometimes known as Jesse Jarvis and sometimes known as J. Jarvis and sometimes known as W. Jarvis) and _____ JARVIS, husband and wife, of Challis, Idaho, A. A. BENNETT and HATTIE L. BENNETT (sometimes known as Halley L. Bennett and sometimes known as Hallie L. Bennett), husband and wife, of Boise, Idaho and BRAD CARREY, an unmarried man, of McCall, Idaho, parties of the first part, hereinafter referred to and designated as "Lessors", and the PORTER BROS. CORPORATION, a corporation organized and existing under and by virtue of the laws of the State of Delaware, and duly qualified to do business in the State of Idaho by virtue of full and complete compliance with the laws of the State of Idaho relative to foreign corporations doing business in Idaho, and whose post office address is 411 Paulsen Building, Spokane 8, Washington, party of the second part, hereinafter referred to and designated as "Lessee",

W I T N E S S E T H:

For and in consideration of the premises and of the covenants and agreements of the respective parties hereto herein set forth, and of the sum of One Thousand Dollars ($1,000.00) by the Lessee to the Lessors in hand paid, the receipt whereof is hereby acknowledged by the Lessors, it is mutually covenanted and agreed by and between the parties hereto as follows:

SECTION I.

DEFINITIONS

(a) "Lessors" -- The word "Lessors" as used throughout this lease means the parties of the first part above named, and their respective heirs, personal representatives and assigns; that the marital status of each of said Lessors has not changed since he or she acquired his or her interest in the premises hereby leased;

(b) "Lessee" -- The word "Lessee" as used throughout this lease means the PORTER BROS. CORPORATION, a corporation, its successors and assigns, whether by actual assignment or by merger or consolidation, and includes any corporation with which it may be merged or consolidated.

(c) "Leased Premises" -- By "Leased Premises" as used herein, is meant those certain placer mining claims located at Bear Valley, Valley County, Idaho, and more fully described in the certificates of location thereof recorded in the office of the County Recorder of Valley County, Idaho, in Book 5 of Placer Mining Records, and at the pages hereinafter designated. The figures opposite the name of a claim designates the page or pages in said Book 5 of said Placer Mining Records where the certificate of location of said claim is recorded; the word

'original' above the left-hand column indicates the original certificate of location, and the word 'amended' above the right-hand column indicates an amended certificate of location.

The names of the claims and the pages at which said location certificates are recorded in said Book 5 of said Placer Mining Records are as follows:

CLAIMS	PLACER	ORIGINAL BOOK	ORIGINAL PAGE
Ayers Meadows Placer Group #1	"	5	224
Ayers Meadows Placer Group #2	"	5	225
Ayers Meadows Placer Group #3	"	5	226
Ayers Meadows Placer Group #4	"	5	227
Ayers Meadows Placer Group #5	"	5	228
Ayers Meadows Placer Group #6	"	5	229
Ayers Meadows Placer Group #7	"	5	230
Wyoming Creek Placer #1	"	5	101
Cache Creek Placer Group #10	"	5	105
Banner Placer Group #1	"	5	215
Banner Placer Group #2	"	5	216
Banner Placer Group #3	"	5	217
Banner Placer Group #4	"	5	218
Banner Placer Group #5	"	5	219
Banner Placer Group #6	"	5	220
Banner Placer Group #7	"	5	221
Banner Placer Group #8	"	5	315
Sack Creek Placer #1	"	5	103
Sack Creek Placer #2	"	5	104
Sack Creek Placer #3	"	5	104

CLAIMS	PLACER	ORIGINAL BOOK	ORIGINAL PAGE
Rache (Roche)	"	5	412
Valley Placer Group #1	"	5	96
Valley Placer Group #2	"	5	97
Valley Placer Group #3	"	5	98
Valley Placer Group #4	"	5	99
Valley Placer Group #5	"	5	100
Valley Placer Group #6	"	5	231
Valley Placer Group #7	"	5	232
Valley Placer Group #8	"	5	233
Valley Placer Group #9	"	5	234
Valley Placer Group #10	"	5	235
Valley Placer Group #11	"	5	236
Valley Placer Group #12	"	5	237
Valley Placer Group #13	"	5	238
Valley Placer Group #14	"	5	239
Valley Placer Group #15	"	5	240
Valley Placer Group #16	"	5	241
Valley Placer Group #16AX	"	5	242
Valley Placer Group #17	"	5	243
Valley Placer Group #17AX	"	5	244
Valley Placer Group #18	"	5	245
Valley Placer Group #25AX	"	5	100
Cache Creek Placer Group #19	"	5	246
Cache Creek Placer Group #20	"	5	247

Amended Locations as follows:

CLAIMS	PLACER	AMENDED BOOK	AMENDED PAGE
Valley Placers A5 (Parts of Valley Placers #'s 2, 3, 4 and 5)	"	5	117
Valley Placer A2 (parts of Valley Placers #'s 1, 2 and 3)	"	5	118

The description contained in said records are hereby by this reference incorporated herein, and said records are hereby referred to for a more detailed description of said claims.

(d) "Products" -- By "Products" as used herein is meant, but not limited to, any and all gold, minerals, values, ores, sands, rare earths, uranium, monazite, thorium, zircon, ilmenite, magnetite, columbite, zirconium, titanium, and any and all other materials of every kind and nature removed from, on, in, or under said leased premises.

(e) "Processing"— By the term "Processing" as used herein is meant, but not limited to, mining, milling, dredging, collecting, saving, separating, sizing, jigging, reducing, smelting, or otherwise beneficiating any products to such extent as may be necessary to prepare the same in final condition for marketing.

(f) "Advance Royalty Payments" -- By the term "Advance Royalty Payments" as used herein is meant the amount of $1,000.00 paid coincident with the signature hereof and the amounts to be paid by the Lessee to the Lessors prior to actual mining operations upon the leased premises as provided herein and any payments of guaranteed annual royalty made in excess of the mining royalty in any year.

(g) "Guaranteed Annual Royalty" -- By the term "Guaranteed Annual Royalty" as used herein, is meant the guaranteed minimum annual payments to be made by the Lessee to the Lessors.

(h) "Mining Royalty" -- By the term "Mining Royalty" as used herein is meant any sums paid or to be paid by the Lessee to the Lessors from actual operations upon the leased premises as provided herein.

(i) "Sales Returns" -- By the term "Sales Returns" as used herein, and upon which a ten percent (10%) royalty is to be paid by the Lessee to the Lessors, is meant the gross amount of money, in whatever form received, including any and all bonuses, premiums and rewards, directly or indirectly received from the sale by Lessee of any products removed by the Lessee from the Leased Premises, or any part thereof; Lessee at its own expense to transport the same to such processing plant or plants which may be within the State of Idaho as may be necessary to put the same in final condition for marketing by Lessee. Neither any part of the cost or expense of mining, dredging, collecting, saving, separating, sizing, jigging, nor otherwise removing the products and values from said leased premises, nor any cost or expense of marketing any product after the same shall have been placed by Lessee in such final condition for marketing: EXCEPT That after the same shall have been placed in such final condition for marketing by Lessee, the cost of transportation and insurance and all transportation to any processing plant situate outside the State of Idaho and the Mines License Tax of the State of Idaho and any other licenses, severance or use taxes which may be imposed or levied either by the United States of America or the State of Idaho, upon the products produced from the leased premises during the operations of the Lessee; shall be deducted before said royalty of ten percent (10%) shall be computed. Such license use and severance taxes shall be deducted in the calendar year in which the same shall be paid. As to any products sold to a United States Mint, or any branch or agency thereof, the said ten percent (10%) royalty shall be computed

and paid upon the net returns thereof, and, likewise, as to any product sold to a smelter, or other purchaser, the said ten percent (10%) royalty shall be computed and paid upon the net returns thereof, after deduction only of the license, use and severance taxes hereinbefore mentioned.

RIGHTS GRANTED TO LESSEE

SECTION 2. The Lessors, for and in consideration of the rentals and royalties to be paid, and the covenants and agreements to be observed, kept and performed by the Lessee, for the term hereinafter stated, and upon the terms and conditions hereinafter set forth, do hereby lease, demise and let unto the Lessee the said leased premises.

It is further understood and agreed by and between the Lessors and the Lessee that the mining claims and property hereinbefore described are unpatented mining claims, paramount title to the same being in the United States of America, and such title and right of possession as Lessors have in said property is subject to all the reservations, restrictions, and conditions imposed by existing State and Federal laws and regulations.

EFFECTIVE DATE OF LEASE - TERM

SECTION 3. This Lease and Agreement shall take effect on the date hereinabove first written and shall continue in full force and effect for a period of fifteen (15) years thereafter. The Lessee shall have the right and privilege of renewing this agreement for three (3) further periods of five (5) years each from and after the expiration of said fifteen (15) year period, making a total of thirty (30) years.

SECTION 4. Lessee shall, from the date hereof, have the right and privilege to enter upon said leased premises and test the same for placer gold and other minerals, ores, values, and metals, by drilling holes, sinking shafts, or otherwise, upon said lands during a period extending to November 1, 1952. Said right of prospecting may be continued by Lessee for the period herein provided for by Lessee complying with the terms and conditions herein set forth.

RIGHTS TO PROSPECT AND TEST

When said testing and prospecting is completed, all drill holes, shafts and excavations shall be left in a reasonably safe condition.

SECTION 5. Lessee shall have the right to use the surface of said leased premises and may select and use camp sites on the leased premises and may construct thereon such buildings, shops and concentrating plants as may be necessary in connection with its dredging and mining operations, and shall have the right of ingress to and egress from the leased premises, or any part thereof, for the purpose of constructing and using roads, ditches, pipe lines and power lines. The Lessee shall have the right to use its facilities located upon the leased premises to mine and treat the products taken from any lands adjoining the leased premises. Such rights shall continue in effect during the period of this lease and all renewals thereof.

RIGHT TO USE PREMISES

It is understood and agreed, however, that the leased premises are located within the Boise National Forest, and the rights herein granted are subject to all lawful regulations and restrictions imposed by the Federal Forestry Administration. The buildings or other

improvements erected by Lessee shall be so located as not to conflict with administrative sites and other areas (if any) reserved for National Forest uses.

RUNS WITH THE LAND

SECTION 6. It is agreed that this Mining Lease shall run with the above described real property and be binding upon the successors in title or in interest thereto, and shall be binding upon and shall also inure to the benefit of the respective heirs, personal representatives, executors, administrators, successors and assigns of the Parties hereto.

PROOF OF TITLE - ABSTRACT

SECTION 7. It is agreed that the Lessors have ordered an abstract of title covering the said demised premises and that the same will be delivered to the Lessee at the earliest possible date, and that the Lessee shall have the same examined by its Attorney or Attorneys, and that the Lessee shall on or before November 1, 1952, decide and determine as to whether the possessory title of the Lessors in and to the said demised premises is satisfactory to the Lessee.

It is agreed that the Lessee has or will pay for the cost of said abstract of title for the said leased premises, and in the event that it elects to make the payment hereinafter called for on or before November 1, 1952, that the Lessee shall receive credit for said payment for the cost of said abstract of title, and in the event it elects not to make said payment and not to proceed hereunder that it shall bear the entire cost and expense of said abstract of title, but shall deliver the same to the Lessors.

It is agreed that the Lessee shall have the right to amend the location of each mining claim constituting the leased premises to the end that each such claim shall conform to the legal subdivisions of the Public Survey and to remove defects from such locations and the notices thereof, but shall not be obligated so to do. The Lessors agree to cooperate fully in such amendments.

ADDITIONAL CONSIDERATION FOR LEASE

SECTION 8. If Lessee, after prospecting and testing said leased premises, and after examination of the abstract of title, shall elect to proceed further under this lease, it shall on or before November 1, 1952, give Lessors written notice of its election so to do, and shall pay to the Lessors the sum of Five Thousand Dollars ($5,000.00), and upon the payment of said sum shall have the right thereafter to continue to prospect, test, mine and dredge said property, but not beyond January 1, 1954.

If the Lessee, on or before January 1, 1954, elects to continue its operations hereunder it shall notify the Lessors in writing of such election, and shall on or before said date pay to the Lessors the additional sum of Ten Thousand Dollars ($10,000.00), and then, but not otherwise, the said Lessee may proceed to continue its prospecting, testing and mining operations under the terms and conditions herein provided.

The said payment of One Thousand Dollars ($1,000.00) paid coincident with the execution hereof as hereinbefore provided and said payment of Five Thousand Dollars ($5,000.00) to be paid by November 1, 1952, and said payment of Ten Thousand Dollars $10,000.00) to be paid on or before January 1, 1954, shall

constitute advance payments of mining royalty and shall be recouped and retained by the Lessee from any mining royalty thereafter becoming due in any year in excess of the guaranteed annual royalty for such year.

GUARANTEED ANNUAL ROYALTY

SECTION 9. So long as the Lessee continues hereunder it shall pay to the Lessors as a guaranteed annual royalty the following sums: On or before December 31, 1954, the additional sum of Seventy-five Thousand Dollars ($75,000.00); and beginning with the calendar year 1955 and thereafter during each calendar year the Lessee shall pay to the Lessors As a guaranteed annual royalty the sum of Seventy-five Thousand Dollars ($75,000.00) per year, payable on or before December 31st of each and every year.

If and in the event the Lessee shall at any time notify the Lessors in writing that the Lessee desires to exclude and does exclude that portion of the Cache Creek and Sack Creek areas lying southerly and easterly of a line commencing at the quarter section corner common to Sections 31 and 36, Township 12 North, Range 9 east, Boise Meridian, and extending thence easterly along the half section line in said Section 31 to the quarter section corner common to Sections 31 and 32 in said township and range and thence northerly along the east section line of said section 31 to the northeast corner thereof, thence northerly along the east section line of Section 30 in said township and range to the northwest corner of the southwest quarter of the southwest quarter of Section 29 in said township and range, thence easterly to the northeast corner of the southeast corner of the southwest quarter of said Section 29,

thence north to the center of said Section 29 thence east to the southeast corner of the southwest quarter of the northeast quarter of said Section 29, thence north to the northeast corner of the southwest quarter of the northeast quarter of said Section 29, thence east to the southeast corner of the northeast quarter of the northeast quarter of said Section 29, thence north to the quarter section corner common to Sections 20 and 21 in said township and range, then the guaranteed annual royalty in each calendar year thereafter shall be Fifty Thousand Dollars ($50,000.00) in lieu of and instead of Seventy-five Thousand Dollars ($75,000.00) as herein provided.

Any mining royalty payments made hereunder shall apply upon said guaranteed annual royalty. On the due date of each payment of guaranteed annual royalty as above specified Lessee shall pay to the Lessors such amount as, together with the mining royalties paid to Lessors since the preceding payment on the guaranteed annual royalty shall equal the sum becoming due as herein provided. After the crediting of the mining royalty to the advance royalty payments and to the amounts paid as guaranteed royalty, the remaining mining royalty shall be paid to Lessors.

In the event that the mining royalty paid during any year shall not exceed the guaranteed annual royalty then the amount which the Lessee shall pay in addition to such mining royalty to make up said amount of guaranteed annual royalty shall constitute advance royalty payment and shall be recouped and retained by Lessee from any mining royalty in excess of the guaranteed annual royalty payable in any year thereafter. Mining royalty payments made in any calendar year in excess of the annual guaranteed royalty payments herein provided for shall be carried over to apply on the guaranteed

annual royalty payments for any future years, but not beyond the succeeding two years.

MINING ROYALTY

SECTION 10. As Mining Royalty (referred to herein as such), the Lessee does hereby agree to pay to the Lessors a sum of money equivalent to ten percent (10%) of the sale returns, as defined herein, received from all products recovered by the Lessee through mining or other operations upon the leased premises and sold and disposed by the Lessee.

The mining royalty, as defined herein, payable to the Lessors hereunder shall become due and payable on the20th day of each and every month, and such mining royalty shall be computed on the sales returns, as defined herein, from all products recovered through the mining or other operations of the Lessee on the leased premises for which payment has been received by the Lessee from the sale thereof during the calendar month preceding the month in which such mining royalty payments shall become due. At the time of making each such mining royalty payment, the Lessee shall transmit to the Lessors a true and correct statement of the amount, kind and nature of products recovered by the mining operations of the Lessee upon the leased premises for which mining royalty is then being paid, and with each such mining royalty payment, there shall be transmitted to the Lessors a duplicate mint or smelter return or duplicate statement from any other purchaser or purchasers to whom such mining products shall have been sold.

The aforesaid monthly reports shall be furnished each and every month regardless of whether any mining royalty is to be actually paid.

PAYMENT OF ROYALTIES

SECTION 11. All royalties and other payments to be made hereunder by the Lessee to the Lessors excepting only the initial payment of One Thousand Dollars ($1,000.00) made coincident with the execution of this contract,

shall be paid by the Lessors by depositing the same to their credit in the Boise Branch of the First Security Bank of Idaho, National Association, at Boise, Idaho.

SECTION 12. LESSEE HEREBY AGREES AS FOLLOWS:

PAYMENT OF TAXES AND ASSESSMENTS

(a) The Lessee agrees to pay all property taxes levied and assessed upon the machinery, equipment, buildings and other property placed upon the leased premises by the Lessee, and all ad valorem taxes which may be levied and assessed upon the leased premises.

The Lessee further agrees to carry Workmen's Compensation Insurance upon its employees as required by the statutes of the State of Idaho, and to pay all Unemployment Compensation and Social Security Taxes required by Federal or State of Idaho statutes or regulations to be paid by the Lessee as an employer; PROVIDED, HOWEVER, Lessee shall not be required to pay any State or Federal income taxes levied against Lessors, or any of them.

In the event the validity of any tax shall be tested by litigation in Court, the failure of the Lessee to pay any such tax at the time the same shall become due and prior to the determination of the validity of the tax in such litigation, shall not constitute a violation of the terms of this Mining Lease.

(b) The Lessee shall perform any and all assessment work and annual labor required by law to be performed upon each of the mining claims included in the leased premises in order to hold said mining claims for the year beginning July 1, 1951, and for

ANNUAL LABOR: each and every year thereafter during the term of this lease.

(c) The lessors, their agents or representatives, shall have access at all reasonable times to the workings of the Lessee on said premises and shall, upon demand, be furnished with copies of assay and test reports, and Lessors shall have the right to have a representative or representatives present at all times during the prospecting, drilling, testing and working of said property.

RECORDS INSPECTIONS, AND DATA

The Lessee agrees to keep accurate records of all minerals and mining products which shall be mined and removed by it from the leased premises, to which records, including processing records, and all original papers, documents and supporting data, the Lessors, and their agents or representatives, shall have access at all reasonable times for the purpose of determining that the Lessee has complied with the terms and provisions of this Mining Lease, and that Lessors are receiving all the payments to which they are entitled hereunder.

Lessee shall furnish to the Lessors the results of their sampling, testing and drilling upon said property.

(d) Lessee shall be solely responsible for payment of all labor, materials, equipment and supplies contracted by it or furnished at its instance and request in connection with the conduct of mining operations upon the leased premises; and the Lessee agrees to indemnify and hold the Lessors harmless from and against any and all claims of creditors for such labor, material, equipment or supplies furnished the Lessee.

PAYMENT FOR LABOR AND MATERIALS

The Lessee agrees to conduct its mining operations upon the leased premises in conformity with the laws and regulations of the United States and of the State of Idaho now in force or as they may

be from time to time amended, and to comply with the statutes of the State of Idaho respecting recording and posting of notices.

INDEMNITY:

(e) The Lessee further agrees to indemnify and hold the Lessors harmless against all loss, damage, liability, liens, claims, expenses, costs, causes of action, suits at law or in equity, attorneys' fees, and any and all liability therefor sustained or incurred by the Lessors by reason of or on account of any claim, action, suit or proceedings against the Lessors in any way growing out of or connected with the operations of the Lessee under this lease.

CONDUCT OF MINING OPERATIONS

(f) All operations conducted by the Lessee upon the leased premises shall be conducted in a good and miner-like manner. If the dredging or other mining operations of the Lessee shall be suspended or prohibited by any State or Federal governmental order this lease shall not be terminated because of any such suspension but shall be extended beyond the term hereinabove set forth for the added period of time covered by such suspension. In any calendar year in which the aggregate period of such suspension or suspensions shall exceed thirty (30) days the mining royalty only need be paid.

If and in the event the production of uranium or any other mineral from the said leased premises shall be suspended or prohibited by any law or order of the United States of America or any of its agencies, or by the State of Idaho, or of its agencies, or if or in the event the market for uranium or any other mineral being produced in substantial quantities from the said leased premises shall be so curtailed or suspended as to substantially

impair the saleability of the said uranium or other mineral, and in any such event, then this lease shall be extended beyond the term therein set forth for the added period of time covered by such suspension or curtailment. In any calendar year in which the aggregate period of such curtailment or suspension shall exceed thirty (30) days, the mining royalty only need be paid.

The suspension or prohibition above referred to is not intended to include any suspension or prohibition by the Federal government, or any department or agency thereof, founded upon any claim by it that a portion of the leased premises is not or has not been subject to valid mining locations by reason of classification or withdrawal by the government for power or reclamation purposes, but in case Lessee's operations are prohibited or suspended by the Federal government or by any department or agency thereof upon a claim so founded the guaranteed annual royalty payable by Lessee hereunder during the calendar year, or calendar years, during which such suspension or prohibition shall be in effect shall be reduced in the proportion that the acreage embraced in the mining claims with respect to which such contention by the government is asserted bears to the total acreage of the mining claims leased hereunder.

SECTION 13. IT IS HEREBY AGREED BY AND BETWEEN THE PARTIES HERETO AS FOLLOWS:

MINING PATENTS

(a) The Lessee shall have the right and privilege of obtaining United States patents to any and all of the demised premises. The cost of obtaining such patents shall be borne by the Lessee and the Lessors shall cooperate and assist in the obtaining of said patents. Said patents shall be obtained in the names of the Lessors.

(b) It is agreed that time is of the essence of this lease.

TIME OF ESSENCE

In the event the Lessee shall fail, refuse or neglect to make any payment of money as required herein, or shall fail, refuse or neglect to perform any other covenant hereof incumbent upon the Lessee to be kept and performed, then, and in that event, the Lessors shall have the option to declare this lease forfeited, which option shall be exercised in the manner following: The Lessors shall give written notice to the Lessee specifying the particulars wherein the Lessee is in default. Should the matter in default as specified in such notice not be corrected, or shown not to exist, within a period of thirty (30) days from the date of mailing such notice in the case of non-payment of money, or within a period of sixty (60) days from the date of mailing such notice in all other instances, then the Lessors shall have the right at their option to declare this lease terminated and all the interest of the Lessee in this lease and the demised premises terminated and forfeited, and said option to so terminate and forfeit shall be exercised by the Lessors giving written notice to Lessee, and in the event notice of their election to terminate and forfeit is given by Lessors the said termination and forfeiture shall be complete thirty (30) days after the mailing of the same, and all the rights of Lessee hereunder shall be deemed terminated and forfeited.

In the event of and upon forfeiture or termination of this lease, the Lessors shall be entitled to retain all sums of money theretofore paid to them under the terms hereof and shall be entitled to collect and receive all sums of money which were payable to them under the terms of this lease as of the date of such forfeiture or termination. Further, in the event of forfeiture or

termination of this lease, the Lessors shall be entitled to resume possession of the leased premises and the Lessee agrees to quit and surrender up the possession thereof immediately to the Lessors, subject to the privilege herein provided to remove therefrom all buildings, structures, mining plants, machinery, equipment, and supplies from said real property.

(c) Lessee shall have the right at any time until January 1, 1954 to cancel this lease, and thereafter shall upon thirty (30) days written notice to the Lessors have the right at any time to cancel this lease, and upon the termination of this agreement for any cause the Lessee shall immediately surrender unto the Lessors all of the premises herein demised without delay or hindrance, and the Lessors shall have the right, immediately upon the expiration or termination howsoever of this agreement, to enter upon the premises aforesaid and to take immediate possession thereof.

SURRENDER OF PROPERTY

In the case of the abandonment of this lease by Lessee, or in case of its cancellation or termination for any cause, Lessee will at once pay to Lessors any and all royalties due them hereunder. In case this lease is forfeited or terminated in any manner and Lessee shall make the payments in subsection (b) of this Section 13 provided for, it shall not be obligated to pay any guaranteed royalty thereafter.

(d) As long as the Lessee is not in default in any of the payments herein provided to be made by the Lessee, it shall have the right during the term hereof and for a period of twelve (12) months from the termination hereof, to remove from the demised premises all machinery, tools,

REMOVAL OF EQUIPMENT

dredges, buildings, pipe lines, power lines and other equipment placed thereon by it, and unless so removed within said period of time the same shall immediately become the property of the Lessors.

NOTICES

(e) All notices given or required to be given under the terms of this agreement by Lessee to Lessors shall be in writing, sent by United States mail, postage prepaid, to Claude V. Marcus at Boise, Idaho, who is hereby designated by all the said Lessors as their agent for such purpose; and such notices shall be addressed to said Claude V. Marcus at his address as above given, unless and until Lessee is notified in writing of any change in such addresses.

Any notices given by Lessors to Lessee may be given on behalf of the Lessors by their agent above named, or a majority of them; such notices shall likewise be in writing and sent by United States mail, postage prepaid, addressed to Lessee at:

411 Paulsen Building
Spokane 8, Washington

All such notices shall be deemed to be given on the date when they are deposited in any United States post office.

(f) After said leased premises shall have been worked out the provision herein as to the payment of the guaranteed annual royalty shall not apply. The Lessee shall have the right to use the leased premises and keep and use its facilities thereon in treating the products taken from any other property of Lessors, and also any products taken from other lands at or in the vicinity of the leased premises.

ASSIGNMENT

(g) This agreement shall be binding upon and inure to the benefit of the parties hereto, their successors, administrators, executors, heirs and assigns.

SECTION 14. It is understood by the parties hereto that any of the operations of the Lessee under the terms hereof may be governed in whole or in part by orders, directions, rules, and regulations and contractual arrangements, terms and provisions required by or with the Atomic Energy Commission, Defense Materials Procurement Authority, and for other governmental agencies, and by laws of the United States of America, and that the Lessors shall cooperate fully in supplementing this contract to the end that the contractual relation of the parties hereto shall be modified to conform to and be in accord with each such law, order, direction, rule, regulation, contractual arrangement or provision which may hereafter be enacted, promulgated or otherwise placed in effect, but neither the percentage of mining royalty nor the amount of guaranteed annual royalty stipulated herein shall be reduced thereby except as in this mining lease otherwise provided.

CONFORMITY TO GOVERNMENTAL REQUIREMENTS

SECTION 15. The marginal captions contained herein are inserted only as a matter of convenience, and for reference, and in no way define, limit, or describe the scope or intent of this Mining Lease, nor in any way affect this Lease.

MARGINAL CAPTIONS

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

C. W. McDowell
C. W. McDowell

Isabelle McDowell
Isabel McDowell

W. R. McDowell
W. R. McDowell

Ruby McDowell
Ruby McDowell

Herbert McDowell
Herbert McDowell

Bessie McDowell
Bessie McDowell

Raye Mende
Raye Mende

Mary Mende
Mary Mende

Jess Jarvis
Jess Jarvis

A. A. Bennett
A. A. Bennett

Hattie L. Bennett
Hattie L. Bennett

Brad Carrey
Brad Carrey

PARTIES OF THE FIRST PART - "LESSORS"

PORTER BROS. CORPORATION
a corporation

By R. P. Porter
President

ATTEST:

D. L. Skidmore
Secretary

PARTY OF THE SECOND PART - "LESSEE"

STATE OF IDAHO)
) ss.
COUNTY OF VALLEY)

On this 18th day of December, in the year 1951, before, me, the undersigned, a Notary Public in and for said State, personally appeared C. W. McDOWELL (sometimes known as W. C. McDowell) and ISABEL McDOWELL, husband and wife, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

H. E. Armstrong
Notary Public for Idaho
Residing at Donnelly, Idaho

STATE OF IDAHO,)
) ss.
COUNTY OF ADA,)

On this 18th day of December, in the year 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared W. R. McDOWELL and RUBY McDOWELL, husband and wife, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

Catherine L. Sivey
Notary Public for Idaho
Residing at Boise, Idaho

STATE OF IDAHO)
) ss.
COUNTY OF LEWIS,)

On this 31st day of December, in the year 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared HERBERT McDOWELL and BESSIE McDOWELL, husband and wife, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

F. G. Densow
Notary Public for Idaho,
Residing at Craigmont, Idaho

STATE OF IDAHO)
) ss.
COUNTY OF ADA,)

On this 18th day of December, in the year 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared RAYE MENDE and MARY MENDE, husband and wife, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

Catherine L. Sivey
Notary Public for Idaho
Residing at Boise, Idaho

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STATE OF IDAHO)
) ss.
COUNTY OF CUSTER,)

On this 21st day of December, in the year 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared JESS JARVIS (sometimes known as Jesse Jarvis and sometimes known as J. Jarvis and sometimes known as W. Jarvis), known to me to be the person whose name is subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

Jack B. Furey
Notary Public for Idaho
Residing at Challis, Idaho

STATE OF IDAHO,)
) ss.
COUNTY OF ADA,)

On this 24th day of December, in the year 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared A. A. BENNETT and HATTIE L. BENNETT (sometimes known as Halley L. Bennett and sometimes known as Hallie L. Bennett), husband and wife, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

Claude V. Marcus
Notary Public for Idaho
Residing at Boise, Idaho

STATE OF IDAHO,)
) ss.
COUNTY OF ADA)

On this 18th day of December, in the year 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared BRAD CARREY, an unmarried man, known to me to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

Catherine L. Sivey
Notary Public for Idaho,
Residing at Boise, Idaho

STATE OF WASHINGTON)
) ss.
COUNTY OF SPOKANE,)

On this 24th day of January, in the year 1952, before me, the undersigned, a Notary Public in and for said State, personally appeared R. P. Porter, known to me to be the President of Porter Bros. Corporation, the corporation that executed the foregoing instrument, and acknowledged to me that such corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

Lyle O. Keith
Notary Public for the State of Wash.,
Residing at Spokane, Wash.
My comm. expires: Jan. 1, 1954

Porter Bros. Corporation
411 Paulsen Building
Spokane 1, Washington

DMA Docket #1899

MINING LEASE

THIS MINING LEASE, Made and entered into this 20th day of October, 1951, by and between G. W. McDOWELL (sometimes known as W. C. McDowell) and ISABEL McDOWELL, husband and wife, of McCall, Idaho, W. R. McDOWELL, the husband of Ruby McDowell, and RUBY McDOWELL, the wife of W. R. McDowell, of Warren, Idaho, HERBERT McDOWELL and BESSIE McDOWELL, husband and wife, of Craigmont, Idaho, RAYE MENDE and MARY MENDE, husband and wife, of McCall, Idaho, JESS JARVIS (sometimes known as Jesse Jarvis and sometimes known as J. Jarvis and sometimes known as W. Jarvis) and _____ JARVIS, husband and wife, of Challis, Idaho, A. A. BENNETT and HATTIE L. BENNETT (sometimes known as Halley L. Bennett and sometimes known as Hallie L. Bennett), husband and wife, of Boise, Idaho and BEAU GARDNER, an unmarried man, of McCall, Idaho, parties of the first part, hereinafter referred to and designated as "Lessors", and the PORTER BROS. CORPORATION, a corporation organized and existing under and by virtue of the laws of the State of Delaware, and duly qualified to do business in the State of Idaho by virtue of full and complete compliance with the laws of the State of Idaho relative to foreign corporations doing business in Idaho, and whose post office address is 411 Paulsen Building, Spokane 8, Washington, party of the second part, hereinafter referred to and designated as "Lessee",

W I T N E S S E T H:

For and in consideration of the premises and of the covenants and agreements of the respective parties hereto herein set forth, and of the sum of One Thousand Dollars ($1,000.00) by the Lessee to the Lessors in hand paid, the receipt whereof is hereby acknowledged by the Lessors, it is mutually covenanted and agreed by and between the parties hereto as follows:

SECTION I.

DEFINITIONS

(a) "Lessors" — The word "Lessors" as used throughout this lease means the parties of the first part above named, and their respective heirs, personal representatives and assigns; that the marital status of each of said Lessors has not changed since he or she acquired his or her interest in the premises hereby leased;

(b) "Lessee" — The word "Lessee" as used throughout this lease means the PORTER BROS. CORPORATION, a corporation, its successors and assigns, whether by actual assignment or by merger or consolidation, and includes any corporation with which it may be merged or consolidated.

(c) "Leased Premises" — By "Leased Premises" as used herein, is meant those certain placer mining claims located at Bear Valley, Valley County, Idaho, and more fully described in the certificates of location thereof recorded in the office of the County Recorder of Valley County, Idaho, in Book 5 of Placer Mining Records, and at the pages hereinafter designated. The figures opposite the name of a claim designates the page or pages in said Book 5 of said Placer Mining Records where the certificate of location of said claim is recorded; the word

'original' above the left-hand column indicates the original certificate of location, and the word 'amended' above the right-hand column indicates an amended certificate of location.

The names of the claims and the pages at which said location certificates are recorded in said Book 5 of said Placer Mining Records are as follows:

CLAIMS	PLACER	ORIGINAL BOOK	ORIGINAL PAGE
Ayers Meadows Placer Group #1	"	5	224
Ayers Meadows Placer Group #2	"	5	225
Ayers Meadows Placer Group #3	"	5	226
Ayers Meadows Placer Group #4	"	5	227
Ayers Meadows Placer Group #5	"	5	228
Ayers Meadows Placer Group #6	"	5	229
Ayers Meadows Placer Group #7	"	5	230
Wyoming Creek Placer #1	"	5	101
Cache Creek Placer Group #10	"	5	105
Banner Placer Group #1	"	5	215
Banner Placer Group #2	"	5	216
Banner Placer Group #3	"	5	217
Banner Placer Group #4	"	5	218
Banner Placer Group #5	"	5	219
Banner Placer Group #6	"	5	220
Banner Placer Group #7	"	5	221
Banner Placer Group #8	"	5	315
Sack Creek Placer #1	"	5	103
Sack Creek Placer #2	"	5	104
Sack Creek Placer #3	"	5	104

CLAIMS	PLACER	ORIGINAL BOOK	ORIGINAL PAGE
Rache (Roche)	"	5	412
Valley Placer Group #1	"	5	96
Valley Placer Group #2	"	5	97
Valley Placer Group #3	"	5	98
Valley Placer Group #4	"	5	99
Valley Placer Group #5	"	5	100
Valley Placer Group #6	"	5	231
Valley Placer Group #7	"	5	232
Valley Placer Group #8	"	5	233
Valley Placer Group #9	"	5	234
Valley Placer Group #10	"	5	235
Valley Placer Group #11	"	5	236
Valley Placer Group #12	"	5	237
Valley Placer Group #13	"	5	238
Valley Placer Group #14	"	5	239
Valley Placer Group #15	"	5	240
Valley Placer Group #16	"	5	241
Valley Placer Group #16AX	"	5	242
Valley Placer Group #17	"	5	243
Valley Placer Group #17AX	"	5	244
Valley Placer Group #18	"	5	245
Valley Placer Group #25AX	"	5	100
Cache Creek Placer Group #19	"	5	246
Cache Creek Placer Group #20	"	5	247

Amended Locations as follows:

CLAIMS	PLACER	AMENDED BOOK	AMENDED PAGE
Valley Placers A5 (Parts of Valley Placers #'s 2, 3, 4 and 5)	"	5	117
Valley Placer A2 (parts of Valley Placers #'s 1, 2 and 3)	"	5	118

The description contained in said records are hereby by this reference incorporated herein, and said records are hereby referred to for a more detailed description of said claims.

(d) "Products" -- By "Products" as used herein is meant, but not limited to, any and all gold, minerals, values, ores, sands, rare earths, uranium, monazite, thorium, zircon, ilmenite, magnetite, columbite, zirconium, titanium, and any and all other materials of every kind and nature removed from, on, in, or under said leased premises.

(e) "Processing"-- By the term "Processing" as used herein is meant, but not limited to, mining, milling, dredging, collecting, saving, separating, sizing, jigging, reducing, smelting, or otherwise beneficiating any products to such extent as may be necessary to prepare the same in final condition for marketing.

(f) "Advance Royalty Payments" -- By the term "Advance Royalty Payments" as used herein is meant the amount of $1,000.00 paid coincident with the signature hereof and the amounts to be paid by the Lessee to the Lessors prior to actual mining operations upon the leased premises as provided herein and any payments of guaranteed annual royalty made in excess of the mining royalty in any year.

(g) "Guaranteed Annual Royalty" -- By the term "Guaranteed Annual Royalty" as used herein, is meant the guaranteed minimum annual payments to be made by the Lessee to the Lessors.

(h) "Mining Royalty" -- By the term "Mining Royalty" as used herein is meant any sums paid or to be paid by the Lessee to the lessors from actual operations upon the leased premises as provided herein.

(i) "Sales Returns" -- By the term "Sales Returns" as used herein, and upon which a ten percent (10%) royalty is to be paid by the Lessee to the Lessors, is meant the gross amount of money, in whatever form received, including any and all bonuses, premiums and rewards, directly or indirectly received from the sale by Lessee of any products removed by the Lessee from the Leased Premises, or any part thereof; Lessee at its own expense to transport the same to such processing plant or plants which may be within the State of Idaho as may be necessary to put the same in final condition for marketing by Lessee. Neither any part of the cost or expense of mining, dredging, collecting, saving, separating, sizing, jigging, nor otherwise removing the products and values from said leased premises, nor any cost or expense of marketing any product after the same shall have been placed by Lessee in such final condition for marketing: EXCEPT That after the same shall have been placed in such final condition for marketing by Lessee, the cost of transportation and insurance and all transportation to any processing plant situate outside the State of Idaho and the Mines License Tax of the State of Idaho and any other licenses, severance or use taxes which may be imposed or levied either by the United States of America or the State of Idaho, upon the products produced from the leased premises during the operations of the Lessee; shall be deducted before said royalty of ten percent (10%) shall be computed. Such license use and severance taxes shall be deducted in the calendar year in which the same shall be paid. As to any products sold to a United States Mint, or any branch or agency thereof, the said ten percent (10%) royalty shall be computed

and paid upon the net returns thereof, and, likewise, as to any product sold to a smelter, or other purchaser, the said ten percent (10%) royalty shall be computed and paid upon the net returns thereof, after deduction only of the license, use and severance taxes hereinbefore mentioned.

RIGHTS GRANTED TO LESSEE

SECTION 2. The Lessors, for and in consideration of the rentals and royalties to be paid, and the covenants and agreements to be observed, kept and performed by the Lessee, for the term hereinafter stated, and upon the terms and conditions hereinafter set forth, do hereby lease, demise and let unto the Lessee the said leased premises.

It is further understood and agreed by and between the Lessors and the Lessee that the mining claims and property hereinbefore described are unpatented mining claims, paramount title to the same being in the United States of America, and such title and right of possession as Lessors have in said property is subject to all the reservations, restrictions, and conditions imposed by existing State and Federal laws and regulations.

EFFECTIVE DATE OF LEASE - TERM

SECTION 3. This Lease and Agreement shall take effect on the date hereinabove first written and shall continue in full force and effect for a period of fifteen (15) years thereafter. The Lessee shall have the right and privilege of renewing this agreement for three (3) further periods of five (5) years each from and after the expiration of said fifteen (15) year period, making a total of thirty (30) years.

SECTION 4. Lessee shall, from the date hereof, have the right and privilege to enter upon said leased premises and test the same for placer gold and other minerals, ores, values, and metals, by drilling holes, sinking shafts, or otherwise, upon said lands during a period extending to November 1, 1952. Said right of prospecting may be continued by Lessee for the period herein provided for by Lessee complying with the terms and conditions herein set forth.

RIGHTS TO PROSPECT AND TEST

When said testing and prospecting is completed, all drill holes, shafts and excavations shall be left in a reasonably safe condition.

SECTION 5. Lessee shall have the right to use the surface of said leased premises and may select and use camp sites on the leased premises and may construct thereon such buildings, shops and concentrating plants as may be necessary in connection with its dredging and mining operations, and shall have the right of ingress to and egress from the leased premises, or any part thereof, for the purpose of constructing and using roads, ditches, pipe lines and power lines. The Lessee shall have the right to use its facilities located upon the leased premises to mine and treat the products taken from any lands adjoining the leased premises. Such rights shall continue in effect during the period of this lease and all renewals thereof.

RIGHT TO USE PREMISES

It is understood and agreed, however, that the leased premises are located within the Boise National Forest, and the rights herein granted are subject to all lawful regulations and restrictions imposed by the Federal Forestry Administration. The buildings or other

improvements erected by Lessee shall be so located as not to conflict with administrative sites and other areas (if any) reserved for National Forest uses.

SECTION 6. It is agreed that this Mining Lease shall run with the above described real property and be binding upon the successors in title or in interest thereto, and shall be binding upon and shall also inure to the benefit of the respective heirs, personal representatives, executors, administrators, successors and assigns of the Parties hereto.

RUNS WITH THE LAND

SECTION 7. It is agreed that the Lessors have ordered an abstract of title covering the said demised premises and that the same will be delivered to the Lessee at the earliest possible date, and that the Lessee shall have the same examined by its Attorney or Attorneys, and that the Lessee shall on or before November 1, 1952, decide and determine as to whether the possessory title of the Lessors in and to the said demised premises is satisfactory to the Lessee.

PROOF OF TITLE - ABSTRACT

It is agreed that the Lessee has or will pay for the cost of said abstract of title for the said leased premises, and in the event that it elects to make the payment hereinafter called for on or before November 1, 1952, that the Lessee shall receive credit for said payment for the cost of said abstract of title, and in the event it elects not to make said payment and not to proceed hereunder that it shall bear the entire cost and expense of said abstract of title, but shall deliver the same to the Lessors.

It is agreed that the Lessee shall have the right to amend the location of each mining claim constituting the leased premises to the end that each such claim shall conform to the legal subdivisions of the Public Survey and to remove defects from such locations and the notices thereof, but shall not be obligated so to do. The Lessors agree to cooperate fully in such amendments.

ADDITIONAL CONSIDERATION FOR LEASE

SECTION 8. If Lessee, after prospecting and testing said leased premises, and after examination of the abstract of title, shall elect to proceed further under this lease, it shall on or before November 1, 1952, give Lessors written notice of its election so to do, and shall pay to the Lessors the sum of Five Thousand Dollars ($5,000.00), and upon the payment of said sum shall have the right thereafter to continue to prospect, test, mine and dredge said property, but not beyond January 1, 1954.

If the Lessee, on or before January 1, 1954, elects to continue its operations hereunder it shall notify the Lessors in writing of such election, and shall on or before said date pay to the Lessors the additional sum of Ten Thousand Dollars ($10,000.00), and then, but not otherwise, the said Lessee may proceed to continue its prospecting, testing and mining operations under the terms and conditions herein provided.

The said payment of One Thousand Dollars ($1,000.00) paid coincident with the execution hereof as hereinbefore provided and said payment of Five Thousand Dollars ($5,000.00) to be paid by November 1, 1952, and said payment of Ten Thousand Dollars ($10,000.00) to be paid on or before January 1, 1954, shall

constitute advance payments of mining royalty and shall be recouped and retained by the Lessee from any mining royalty thereafter becoming due in any year in excess of the guaranteed annual royalty for such year.

SECTION 9. So long as the Lessee continues hereunder it shall pay to the Lessors as a guaranteed annual royalty the following sums: On or before December 31, 1954, the additional sum of Seventy-five Thousand Dollars ($75,000.00); and beginning with the calendar year 1955 and thereafter during each calendar year the Lessee shall pay to the Lessors As a guaranteed annual royalty the sum of Seventy-five Thousand Dollars ($75,000.00) per year, payable on or before December 31st of each and every year.

GUARANTEED ANNUAL ROYALTY

If and in the event the Lessee shall at any time notify the Lessors in writing that the Lessee desires to exclude and does exclude that portion of the Cache Creek and Sack Creek areas lying southerly and easterly of a line commencing at the quarter section corner common to Sections 31 and 36, Township 12 North, Range 9 east, Boise Meridian, and extending thence easterly along the half section line in said Section 31 to the quarter section corner common to Sections 31 and 32 in said township and range and thence northerly along the east section line of said section 31 to the northeast corner thereof, thence northerly along the east section line of Section 30 in said township and range to the northwest corner of the southwest quarter of the southwest quarter of Section 29 in said township and range, thence easterly to the northeast corner of the southeast corner of the southwest quarter of said Section 29,

thence north to the center of said Section 29 thence east to the southeast corner of the southwest quarter of the northeast quarter of said Section 29, thence north to the northeast corner of the southwest quarter of the northeast quarter of said Section 29, thence east to the southeast corner of the northeast quarter of the northeast quarter of said Section 29, thence north to the quarter section corner common to Sections 20 and 21 in said township and range, then the guaranteed annual royalty in each calendar year thereafter shall be Fifty Thousand Dollars ($50,000.00) in lieu of and instead of Seventy-Five Thousand Dollars ($75,000.00) as herein provided.

Any mining royalty payments made hereunder shall apply upon said guaranteed annual royalty. On the due date of each payment of guaranteed annual royalty as above specified Lessee shall pay to the Lessors such amount as, together with the mining royalties paid to Lessors since the preceding payment on the guaranteed annual royalty shall equal the sum becoming due as herein provided. After the crediting of the mining royalty to the advance royalty payments and to the amounts paid as guaranteed royalty, the remaining mining royalty shall be paid to Lessors.

In the event that the mining royalty paid during any year shall not exceed the guaranteed annual royalty then the amount which the Lessee shall pay in addition to such mining royalty to make up said amount of guaranteed annual royalty shall constitute advance royalty payment and shall be recouped and retained by Lessee from any mining royalty in excess of the guaranteed annual royalty payable in any year thereafter. Mining royalty payments made in any calendar year in excess of the annual guaranteed royalty payments herein provided for shall be carried over to apply on the guaranteed

annual royalty payments for any future years, but not beyond the succeeding two years.

MINING ROYALTY

SECTION 10. As Mining Royalty (referred to herein as such), the Lessee does hereby agree to pay to the Lessors a sum of money equivalent to ten percent (10%) of the sale returns, as defined herein, received from all products recovered by the Lessee through mining or other operations upon the leased premises and sold and disposed by the Lessee.

The mining royalty, as defined herein, payable to the Lessors hereunder shall become due and payable on the20th day of each and every month, and such mining royalty shall be computed on the sales returns, as defined herein, from all products recovered through the mining or other operations of the Lessee on the leased premises for which payment has been received by the Lessee from the sale thereof during the calendar month preceding the month in which such mining royalty payments shall become due. At the time of making each such mining royalty payment, the Lessee shall transmit to the Lessors a true and correct statement of the amount, kind and nature of products recovered by the mining operations of the Lessee upon the leased premises for which mining royalty is then being paid, and with each such mining royalty payment, there shall be transmitted to the Lessors a duplicate mint or smelter return or duplicate statement from any other purchaser or purchasers to whom such mining products shall have been sold.

The aforesaid monthly reports shall be furnished each and every month regardless of whether any mining royalty is to be actually paid.

PAYMENT OF ROYALTIES

SECTION 11. All royalties and other payments to be made hereunder by the Lessee to the Lessors excepting only the initial payment of One Thousand Dollars ($1,000.00) made coincident with the execution of this contract,

shall be paid by the Lessors by depositing the same to their credit in the Boise Branch of the First Security Bank of Idaho, National Association, at Boise, Idaho.

SECTION 12. LESSEE HEREBY AGREES AS FOLLOWS:

PAYMENT OF TAXES AND ASSESSMENTS

(a) The Lessee agrees to pay all property taxes levied and assessed upon the machinery, equipment, buildings and other property placed upon the leased premises by the Lessee, and all ad valorem taxes which may be levied and assessed upon the leased premises.

The Lessee further agrees to carry Workmen's Compensation Insurance upon its employees as required by the statutes of the State of Idaho, and to pay all Unemployment Compensation and Social Security Taxes required by Federal or State of Idaho statutes or regulations to be paid by the Lessee as an employer; PROVIDED, HOWEVER, Lessee shall not be required to pay any State or Federal income taxes levied against Lessors, or any of them.

In the event the validity of any tax shall be tested by litigation in Court, the failure of the Lessee to pay any such tax at the time the same shall become due and prior to the determination of the validity of the tax in such litigation, shall not constitute a violation of the terms of this Mining Lease.

(b) The Lessee shall perform any and all assessment work and annual labor required by law to be performed upon each of the mining claims included in the leased premises in order to hold said mining claims for the year beginning July 1, 1951, and for

ANNUAL LABOR: each and every year thereafter during the term of this lease.

(c) The lessors, their agents or representatives, shall have access at all reasonable times to the workings of the Lessee on said premises and shall, upon demand, be furnished with copies of assay and test reports, and Lessors shall have the right to have a representative or representatives present at all times during the prospecting, drilling, testing and working of said property.

RECORDS INSPECTIONS, AND DATA

The Lessee agrees to keep accurate records of all minerals and mining products which shall be mined and removed by it from the leased premises, to which records, including processing records, and all original papers, documents and supporting data, the Lessors, and their agents or representatives, shall have access at all reasonable times for the purpose of determining that the Lessee has complied with the terms and provisions of this Mining Lease, and that Lessors are receiving all the payments to which they are entitled hereunder.

Lessee shall furnish to the Lessors the results of their sampling, testing and drilling upon said property.

(d) Lessee shall be solely responsible for payment of all labor, materials, equipment and supplies contracted by it or furnished at its instance and request in connection with the conduct of mining operations upon the leased premises; and the Lessee agrees to indemnify and hold the Lessors harmless from and against any and all claims of creditors for such labor, material, equipment or supplies furnished the Lessee.

PAYMENT FOR LABOR AND MATERIALS

The Lessee agrees to conduct its mining operations upon the leased premises in conformity with the laws and regulations of the United States and of the State of Idaho now in force or as they may

be from time to time amended, and to comply with the statutes of the State of Idaho respecting recording and posting of notices.

INDEMNITY:

(e) The Lessee further agrees to indemnify and hold the Lessors harmless against all loss, damage, liability, liens, claims, expenses, costs, causes of action, suits at law or in equity, attorneys' fees, and any and all liability therefor sustained or incurred by the Lessors by reason of or on account of any claim, action, suit or proceedings against the Lessors in any way growing out of or connected with the operations of the Lessee under this lease.

CONDUCT OF MINING OPERATIONS

(f) All operations conducted by the Lessee upon the leased premises shall be conducted in a good and miner-like manner. If the dredging or other mining operations of the Lessee shall be suspended or prohibited by any State or Federal governmental order this lease shall not be terminated because of any such suspension but shall be extended beyond the term hereinabove set forth for the added period of time covered by such suspension. In any calendar year in which the aggregate period of such suspension or suspensions shall exceed thirty (30) days the mining royalty only need be paid.

If and in the event the production of uranium or any other mineral from the said leased premises shall be suspended or prohibited by any law or order of the United States of America or any of its agencies, or by the State of Idaho, or of its agencies, or if or in the event the market for uranium or any other mineral being produced in substantial quantities from the said leased premises shall be so curtailed or suspended as to substantially

impair the saleability of the said uranium or other mineral, and in any such event, then this lease shall be extended beyond the term therein set forth for the added period of time covered by such suspension or curtailment. In any calendar year in which the aggregate period of such curtailment or suspension shall exceed thirty (30) days, the mining royalty only need be paid.

The suspension or prohibition above referred to is not intended to include any suspension or prohibition by the Federal government, or any department or agency thereof, founded upon any claim by it that a portion of the leased premises is not or has not been subject to valid mining locations by reason of classification or withdrawal by the government for power or reclamation purposes, but in case Lessee's operations are prohibited or suspended by the Federal government or by any department or agency thereof upon a claim so founded the guaranteed annual royalty payable by Lessee hereunder during the calendar year, or calendar years, during which such suspension or prohibition shall be in effect shall be reduced in the proportion that the acreage embraced in the mining claims with respect to which such contention by the government is asserted bears to the total acreage of the mining claims leased hereunder.

SECTION 13. IT IS HEREBY AGREED BY AND BETWEEN THE PARTIES HERETO AS FOLLOWS:

MINING PATENTS

(a) The Lessee shall have the right and privilege of obtaining United States patents to any and all of the demised premises. The cost of obtaining such patents shall be borne by the Lessee and the Lessors shall cooperate and assist in the obtaining of said patents. Said patents shall be obtained in the names of the Lessors.

(b) It is agreed that time is of the essence of this lease.

TIME OF ESSENCE

In the event the Lessee shall fail, refuse or neglect to make any payment of money as required herein, or shall fail, refuse or neglect to perform any other covenant hereof incumbent upon the Lessee to be kept and performed, then, and in that event, the Lessors shall have the option to declare this Lease forfeited, which option shall be exercised in the manner following: The Lessors shall give written notice to the Lessee specifying the particulars wherein the Lessee is in default. Should the matter in default as specified in such notice not be corrected, or shown not to exist, within a period of thirty (30) days from the date of mailing such notice in the case of non-payment of money, or within a period of sixty (60) days from the date of mailing such notice in all other instances, then the Lessors shall have the right at their option to declare this lease terminated and all the interest of the Lessee in this lease and the demised premises terminated and forfeited, and said option to so terminate and forfeit shall be exercised by the Lessors giving written notice to Lessee, and in the event notice of their election to terminate and forfeit is given by Lessors the said termination and forfeiture shall be complete thirty (30) days after the mailing of the same, and all the rights of Lessee hereunder shall be deemed terminated and forfeited.

In the event of and upon forfeiture or termination of this lease, the Lessors shall be entitled to retain all sums of money theretofore paid to them under the terms hereof and shall be entitled to collect and receive all sums of money which were payable to them under the terms of this lease as of the date of such forfeiture or termination. Further, in the event of forfeiture or

termination of this lease, the Lessors shall be entitled to resume possession of the leased premises and the Lessee agrees to quit and surrender up the possession thereof immediately to the Lessors, subject to the privilege herein provided to remove therefrom all buildings, structures, mining plants, machinery, equipment, and supplies from said real property.

(c) Lessee shall have the right at any time until January 1, 1954 to cancel this lease, and thereafter shall upon thirty (30) days written notice to the Lessors have the right at any time to cancel this lease, and upon the termination of this agreement for any cause the Lessee shall immediately surrender unto the Lessors all of the premises herein demised without delay or hindrance, and the Lessors shall have the right, immediately upon the expiration or termination howsoever of this agreement, to enter upon the premises aforesaid and to take immediate possession thereof.

SURRENDER OF PROPERTY:

In the case of the abandonment of this lease by Lessee, or in case of its cancellation or termination for any cause, Lessee will at once pay to Lessors any and all royalties due them hereunder. In case this lease is forfeited or terminated in any manner and Lessee shall make the payments in subsection (b) of this Section 13 provided for, it shall not be obligated to pay any guaranteed royalty thereafter.

(d) As long as the Lessee is not in default in any of the payments herein provided to be made by the Lessee, it shall have the right during the term hereof and for a period of twelve (12) months from the termination hereof, to remove from the demised premises all machinery, tools,

REMOVAL OF EQUIPMENT:

dredges, buildings, pipe lines, power lines and other equipment placed thereon by it, and unless so removed within said period of time the same shall immediately become the property of the Lessors.

NOTICES

(e) All notices given or required to be given under the terms of this agreement by Lessee to Lessors shall be in writing, sent by United States mail, postage prepaid, to Claude V. Marcus at Boise, Idaho, who is hereby designated by all the said Lessors as their agent for such purpose; and such notices shall be addressed to said Claude V. Marcus at his address as above given, unless and until Lessee is notified in writing of any change in such addresses.

Any notices given by Lessors to Lessee may be given on behalf of the Lessors by their agent above named, or a majority of them; such notices shall likewise be in writing and sent by United States mail, postage prepaid, addressed to Lessee at:

411 Paulsen Building
Spokane 8, Washington

All such notices shall be deemed to be given on the date when they are deposited in any United States post office.

(f) After said leased premises shall have been worked out the provision herein as to the payment of the guaranteed annual royalty shall not apply. The Lessee shall have the right to use the leased premises and keep and use its facilities thereon in treating the products taken from any other property of Lessors, and also any products taken from other lands at or in the vicinity of the leased premises.

ASSIGNMENT

(g) This agreement shall be binding upon and inure to the benefit of the parties hereto, their successors, administrators, executors, heirs and assigns.

SECTION 14. It is understood by the parties hereto that any of the operations of the Lessee under the terms hereof may be governed in whole or in part by orders, directions, rules, and regulations and contractual arrangements, terms and provisions required by or with the Atomic Energy Commission, Defense Materials Procurement Authority, and for other governmental agencies, and by laws of the United States of America, and that the Lessors shall cooperate fully in supplementing this contract to the end that the contractual relation of the parties hereto shall be modified to conform to and be in accord with each such law, order direction, rule, regulation, contractual arrangement or provision which may hereafter be enacted, promulgated or otherwise placed in effect, but neither the percentage of mining royalty nor the amount of guaranteed annual royalty stipulated herein shall be reduced thereby except as in this mining lease otherwise provided.

COMPLIANCE TO GOVERNMENTAL REQUIREMENTS

SECTION 15. The marginal captions contained herein are inserted only as a matter of convenience, and for reference, and in no way define, limit, or describe the scope or intent of this Mining Lease, nor in any way affect this Lease.

MARGINAL CAPTIONS

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

C. W. McDowell
C. W. McDowell

Isabelle McDowell
Isabel McDowell

W. R. McDowell
W. R. McDowell

Ruby McDowell
Ruby McDowell

21-pho

Herbert McDowell
Herbert McDowell

Bessie McDowell
Bessie McDowell

Faye Mende
Faye Mende

Mary Mende
Mary Mende

Jess Jarvis
Jess Jarvis

A. A. Bennett
A. A. Bennett

Hattie L. Bennett
Hattie L. Bennett

Brad Garrey
Brad Garrey

PARTIES OF THE FIRST PART - "LESSORS"

PORTER BROS. CORPORATION
a corporation

By R. P. Porter
President

ATTEST:

D. L. Skidmore
Secretary

PARTY OF THE SECOND PART - "LESSEE"

22-pho

STATE OF IDAHO)
) ss.
COUNTY OF VALLEY)

On this 18th day of December, in the year 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared G. E. McDOWELL (sometimes known as E. G. McDowell) and ISABEL McDOWELL, husband and wife, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

M. E. Armstrong
Notary Public for Idaho
Residing at Donnelly, Idaho

STATE OF IDAHO,)
) ss.
COUNTY OF ADA,)

On this 18th day of December, in the year 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared E. L. McDOWELL and RUTH McDOWELL, husband and wife, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

Catherine L. Divey
Notary Public for Idaho
Residing at Boise, Idaho

23-pho

STATE OF IDAHO)
) ss.
COUNTY OF ADA,)

On this 31st day of December, in the year 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared HERBERT McCARTHY and BESSIE McCARTHY, husband and wife, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

S. G. Jensow
Notary Public for Idaho,
Residing at Craigmont, Idaho

STATE OF IDAHO)
) ss.
COUNTY OF ADA,)

On this 18th day of December, in the year 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared RAYE [illegible] and [illegible], husband and wife, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

Catherine L. Sivey
Notary Public for Idaho
Residing at Boise, Idaho

2h-pho

STATE OF IDAHO)
) ss.
COUNTY OF CUSTER,)

On this 21st day of December, in the year 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared JESS JARVIS (sometimes known as Jesse Jarvis and sometimes known as J. Jarvis and sometimes known as W. Jarvis), known to me to be the person whose name is subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

Jack B. Furey
Notary Public for Idaho
Residing at Challis, Idaho

STATE OF IDAHO,)
) ss.
COUNTY OF ADA,)

On this 24th day of December, in the year 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared A. A. BENNETT and HATTIE L. BENNETT (sometimes known as Halley L. Bennett and sometimes known as Hallie L. Bennett), husband and wife, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

Claude V. Marcus
Notary Public for Idaho
Residing at Boise, Idaho

25-pho

STATE OF IDAHO,)
) ss.
COUNTY OF ADA)

On this 18th day of December, in the year 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared BRAD CARREY, an unmarried man, known to me to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

Catherine L. Sivey
Notary Public for Idaho,
Residing at Boise, Idaho

26-pho

STATE OF WASHINGTON)
) ss.
COUNTY OF SPOKANE,)

On this 24th day of January, in the year 1952, before me, the undersigned, a Notary Public in and for said State, personally appeared R. P. Porter, known to me to be the President of Porter Bros. Corporation, the corporation that executed the foregoing instrument, and acknowledged to me that such corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

Lyle C. Keith
Notary Public for the State of Wash.,
Residing at Spokane, Wash.
My comm. expires: Jan. 1, 1954