MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DMEA Crawford
Date Rec'd.
Form Approved.
Budget Bureau No. 42-R1035.2.

AUG 9 1955

BUREAU OF MINES
Denver, Colorado

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

Not to be filled in by applicant

Docket No. 3946
Metal or Mineral Uranium. Copper. Lead. Zinc
Date Received 8.12.55
Estimated Cost 70,000
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Harry J. Johnson P. O. Box 4, Nathrop, Colorado.
Neil R. Jackson P. O. Box 11, Nathrop, Colorado,
Partners

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract. Group of 16 claims Jenny Claims Nos. 1, 2, 3, & 4. Jimmy claims Nos. 1, 2, 3, 4. Mamie claims Nos. 1, 2, 3, & 4. Anna claims Nos. 1, 2, 3, & 4 in sections 7, 18, & 12, 12S-76W. Elk Mountain Mining District, Gunnison County, Colorado.

(*b*) State any mine name by which the property is known. Will be known as Jenny Mine

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise By right of discovery and location

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

(*e*) If you own the land, describe any liens or encumbrances on it none

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

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes. see page 1

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades None. Reserves unknown

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

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

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

16—66551-1

RECEIVED
AUG 12 1955

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

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

(*c*) The work will start within 10 days and be completed within 20 months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

☒ Money ☒ Use of equipment owned by you ☒ Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated August 8, 1955

Harry J. Johnson & Neil A. Jackson
(Applicant)

By Harry J. Johnson

P.O. Box 4, Nathrop, Colorado

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

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

Harry J. Johnson,
Box 4, Nathrop, Colo.

3(f)

Recorded description of the four claims on which our recording papers have been returned. Jenny No. 1 in NW 1/4 of section 18 12 S 86 W Gunnison County, Colorado. Recorded in Book ~~[illegible]~~ 305 at Page 322.

Jenny No. 2--NW 1/4 of section 18, 12 S 86W Gunnison County, Colorado. Recorded in Book ~~[illegible]~~ 305 at Page 322.

Jenny No. 3--in NW 1/4 section 7 12S, 86 W Gunnison County, Colorado. Recorded in Book 305 at Page 321.

Jenny No. 4 in SW 1/4 section7, 12S--86W Gunnison County, Colorado. Recorded in Book 305 at Page 321.

The following claims have been located and recorded, but due to the rush of recording at the Court House, we have not received book and page number:

Jimmy No. 1 in SW 1/4 of section 12S 86 W Gunnison County, Colo.
Jimmy No 2 in NW 1/4 of section 18, 12S 86W Gunnison County, Colo
Jimmy No. 3 in NW 1/4 of section 7, 12S 86W Gunnison County, Colo.
Jimmy No. 4 in SW 1/4 of section 7, 12S 86 W Gunnison County, Colo
Bessie No. 1 in NW 1/4 of section 18 12S 86W Gunnison, County, Colo
Bessie No 2 in NW 1/4 of Section 18, 12S 86W Gunnison, County, Colo
Bessie No. 3 in SW 1/4 of section7, 12S 86W Gunnison County, Colo.
Bessie No. 4 in SW 1/4 of section 7, 12S 86W Gunnison County, Colo.
Anna No . 1 in NW 1/4 of section 7, 12S 86W Gunnison County, Colo.
Anna No. 2 in NW 1/4 of section 7, 12S 86W, Gunnison County, Colo.
Anna No. 3 in SW 1/4 of section 18, 12S 86W Gunnison County, Colo.
Anna No. 4 in SW 1/4 of section 18, 12S 86W Gunnison County, Colo.

4. Physical Description (A)

No mining has ever been done on these claims, only test holes and location work on the outcrop veins. Veins outcrop about 800 feet running north and South where Jenny No. 1 and 2 join. A cross-vein running East and West about 125 feet south from the end line of Jenny No. 1(see sketch). Just East of the Junction of the two veins a short tunnel was driven many years ago, now caved in. This East and West vein is about 5ft 6" wide. The North and South vein runs 6 ft 10" wide. These veins can be examined on the surface only.

C. The veins contain Sphalerite, Galena and Chalcopyrite. The country rock is Hanson shale with dikes, sills, with lacolithic masses of quartz monzonite.

Analysis on the out-crop veins on the Jenny No. 1 and 2 are as follows:

gold	silver	lead	copper	silica	iron	zinc	sulphur
0.02 oz	12.30 oz	4%	1.8%	5%	14.2	5.4	12.6

Analysis made by A. S & R smelter lab at Leadville. We have gotten very good readings with both Geiger counters and Scintillator counter along the tunnel course(see sketches I 5-6)

4(d)

The property borders on the East Side of Emerald Lake, which is reached by a fair road, approximately 18 miles north from Crested Butte. This road continues over Schofield Pass to Marble, Placita, and Carbondale.

The A. S. SR. have a new mill at Keystone, five miles East of Crested Butte. This mill is prepared to handle our type of ore. Our haul would be about 18 miles. Carbondale is about 35 miles over Schofield Pass where ore can be loaded on the D. & R/ G. R railroad for shipment to Salt Lake mills and smelters.

Supplies would have to come from Gunnison 41 miles South. There is plenty of housing at Crested Butte, due to the shutting down of the Coal Mines there.

4(e)

Zero power can be had from Leadville, Salida and Gunnison.
Heavy equipment would have to be brought from Denver.
There is plenty of water, because the portal will be just above the lake level. The power line is being built from Crested Butte to Gothic, four miles away.

5(b) We intend to drive a tunnel 1500 feet Westerly on the East and West vein, starting about 120 feet South of the North End line of Jenny No. 1. Cross-cut through on East to Jimmy No. 1 on through to the center of Mamie No 1. At the same time exploring any veins, running at right angles to the exploration tunnel. We would drive short tunnels North for exploration purposes(25-50 ft)
Altogether we expect to drive about 2,000 feet of exploration tunnel(see sketches p 5-6)

5(d) I have been engaged continuously in mining and prospection since 1925, working for the Lenson Mining & Milling Co. at Fairplay and Alma, the Resurrection Mining Co. at Leadville, Ellis Webster at Leadville; Jones & Kylene Mining Co. at Leadville and Summitville, Gold Leaf Mining & Dredging Co. at Leadville.
Manager of the Weston Pass Mines on Weston Pass, and prospecting for myself on several different lode and placer prospects.
Mr. Noel L. Jackson, my partner in this mining project has been engaged in mining, quarring and shaft sinking with the following firms for several years: The Frank Norberg Co. of Salida, for 8 1/2 years, Eugene Bishopp Contractor, 2 years; Bolcar Construction, Anchorage, Alaska, Golden Cycle Corp, and the Gold Leaf Mining & Dredging Co. at Leadville. We will supervise and manage operations ourselves.

Harry J. Johnson,
Box 4, Nathrop, Colorado.

6(a)

26 hours of bulldozing at $15.00 per hour	$390.00
Core Drilling 1500 feet at $2.80 per foot	4,250.00

26(b)

Labor 413 shifts at $15.00 per shift	6,240.00
Supervision 2 men at $400.00 per man 4 months	2,600.00
Timber cutters 52 shifts at $14.00 per shift	728.00
Engineering and Geologic consultants	2,000.00
1 cook at $8.00 per day--120 days	960.00

6(c)

2 carpenter saws at $7.00 each	14.00
2 one-man cross saws at $7.00 each	14.00
2 timber or miner's axes at $3.75 each	7.50
3 square point shovels at $3.00 each	9.00
3 round point shovels at $3.00 each	9.00
6 picks at $4.50 each	27.00
2 sent hoes at $6.00 each	12.00
2 lead finders at $4.00 each	8.00
1 tap and die set	30.00
1 blow torch	12.00
1 set open end wrenches	3.50
1 set box end wrenches	4.00
1 set steel letter and numeral stamps for marking tools	7.00
2 log chains 14 feet at $8.00 each	16.00
1 broad hatchet	5.00
1 point drill	30.00
1 breast drill	0.00
14 auger bits 1/4 in to 1 1/4 in	12.00
1 ratchet brace	5.00
1 set chisels	3.50
1 bench grinder	7.00
1 complete drawing outfit	25.00
1 belt-drive grind stone	15.00
100 rock bits at 60cents each	60.00
1 2 man saw, cross-cut	10.00
1 pocket hand sighting level	2.50
1 Brunton compass	50.00
4 tons of coal at $14.35 per ton	57.40
1,000 gals gas at 27cents per gal	270.00
1,000 gals fuel oil at 20cents per gal.	200.00
cup grease	20.00
50 gals anti freeze at $3.50 per gal	175.00
Pipe fittings, elbows, coupling valves, etc.	250.00
c(d) 1 four wheel drive pick-up truck with winch	2,700.00
1 210 cu. ft air compressor with diesel engine	8,000.00
200 feet air hose with fittings	150.00
200 feet water hose with fittings	150.00
1 chain saw 16 in or 20 inch blade	220.00

c(c) continued

2 Atlas-Diesel air log drills, bits, steel, etc at $2000 ea.	4,000.00
1 stoper	600.00
1,000 ft 2 inch pipe at 40 1/2cents per foot	410.00
2,000 feet 1 inch pipe at 10 1/2 cents per ft	210.00
250 ft half inch pipe at 12 1/2 cents per ft	31.25
20 tons of 30 pound rails at $160	3,200.00
600 pounds track spikes at $12.50 per hundred	150.00
400 pairs fish plates at $1.50 a pair	600.00
1 scoring scraper Atlas 12-16" gauge	1,000.00
20 tons of powder at $65 per ton	2,600.00
12,000 caps at $2.40 per 100	240.00
timber, lumber, posts, ties, wedges, etc	2,[illegible]
1 Cutler or trenter 24" gauge	770.00
1 screw gear hoist 1 ton cap.	75.00
1 oxy-acetylene welding outfit	100.00
42,000 feet fuse @ .01 per foot	420.00

c(d)

4 cookes at $6.00 ea	24.00
Bedding supplies, blankets, sheets, pillows, etc.	150.00

c(e)

2 trailer houses at $1600.00 each	3,200.00
1 compressor, house and ship	2,[illegible]
mess house for trucks	800.00
fuel and oil house	250.00
2 compartment ore bin, each compartment 16x24x16	2,[illegible]
1 Electric generator set & wiring	2,[illegible]
2 500 gal gas and oil tanks at $250 each	470.00

c(e)

Repair and upkeep on compressor	200.00
repair and upkeep on stoper and drills, etc	300.00
repair and upkeep on crushing machine	60.00
repair and upkeep on ore cars	50.00
repair and upkeep on pickup truck	150.00
analytical work	500.00
accounting	500.00
Workmen's compensation & employers liability insurance	1,[illegible]
payroll tax & social security	500.00

c(f)

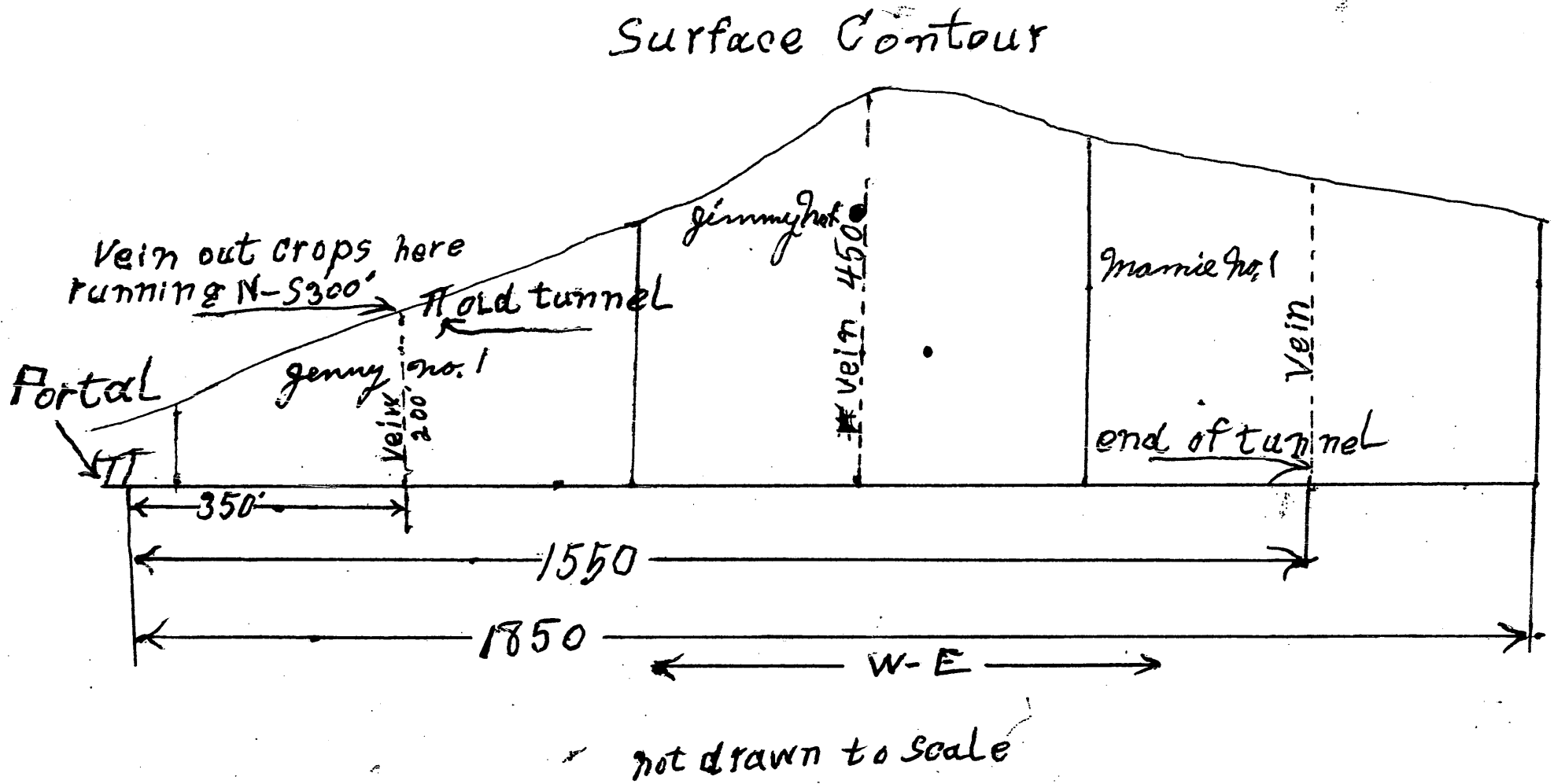
Contingencies	2,[illegible]
Total	[illegible]

7(b)

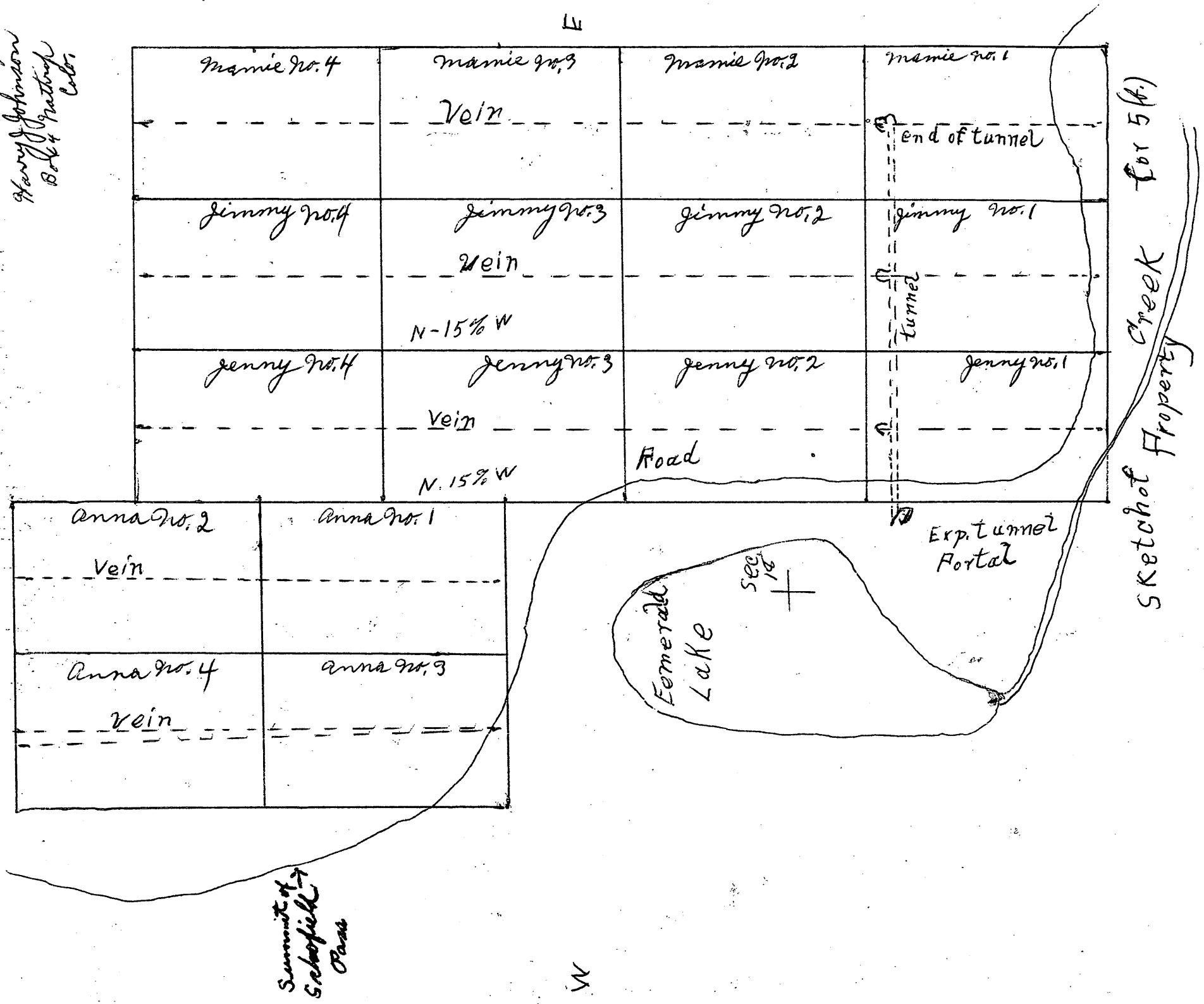
We propose to furnish our share of the costs with money, such equipment as is already here, such small tools, pick-shovels, double jacks, etc. We will also furnish part of our own labor, and all our own supervision and management. We too of us will devote all our time on and for the benefit of this property and mining project.

Harry J Johnson
Box 4 Nathrop, Colo

Cross Section of Proposed Tunnel



Page 6
Harry Johnson
Book 4 Patten
Cab.



Sketch of Property for 5(f)

Not drawn to scale

Surname copy

700

Murphy
Ellis
Kulsgaard
Gleason
Selfridge
JEJohnson

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

DEC 27 1955

Messrs. Harry J. Johnson
and Neil R. Jackson
Box 11
Nathrop, Colorado

Re: Docket No. DMEA-3946 (Uranium, copper, lead, zinc)
Jenny claims, et al.
Gunnison County, Colorado

Gentlemen:

Reference is made to your application for Government aid in an exploration project on the above-named property.

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

Careful study of all our information, although noting a small amount of copper, lead, and zinc mineralization on your property, indicates to us that the probability of disclosing minable ore reserves is not sufficiently promising to justify Government participation in an exploration program. We regret to advise you that, under these circumstances, your application for exploration assistance is denied. However, this denial is made without prejudice. If future work on your property reveals evidence which could materially alter this opinion, be assured we will be pleased to consider a new application.

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

Sincerely yours,

C. O. Mittendorf

Administrator

FMMurphy/gla
12-21-55
cc to: Admr.'s Reading File
Operating Committee
Docket
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA
Code 700
Mr. Murphy
DMEA Field Team, Region III (2)

R.E.S.

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 12-21-55

REFERRED TO:

1. ~~Operating Com., Rm. 4459~~
2. Mr. Mittendorf, Rm. 4459
3. Mails & Files, Rm. 4450
4.

FOR:

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

REMARKS:

Check (X) before the items needing attention.

Ernest Wm. Ellis
gla *Initials of sender.*

GPO 16—63815-1

Murphy
Ellis

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

December 21, 1955

Summary of Proposed Project

Object: Denial of application for exploration aid.

Docket No.: DMEA-3946

Commodity: Uranium, copper, lead, zinc

Applicant: Harry J. Johnson and Neil R. Jackson
Box 11, Nathrop, Colorado

Property: Owners, by location, of 16 claims situated in unsurveyed secs. 7 and 18, T. 12 S., R. 86 W., and sec. 12, T. 12 S., R. 87 W., 6th P.M., Gunnison County, Colorado

Date of application: August 8, 1955

Referred to Field Team: August 29, 1955

Field Team Report received: December 12, 1955

Amount of Application: $70,000.00

Work Proposed: 1700 feet core drilling
2000 feet, drifts and crosscuts
Bulldozing access road

Estimated Costs: (compiled from Applicant's figures)

36 hours bulldozing @ $15/hr.	$ 540.00	
Core drilling @ $2.50/ft.	4,250.00	
Labor and supervision	13,536.00	
Operating equipment and supplies	34,563.40	
Improvements and camp equip.	11,824.00	
Repairs of equipment	600.00	
Analytical work	500.00	
Miscellaneous	2,080.00	
Contingencies	2,017.40	
Total		$69,910.80

Excerpts from Field Team Report:

The claims, situated on the east side of Emerald Lake, are in Dakota quartzite and Mancos shale. In the vicinity of the claim group the sedimentary rocks are cut by dikes and sills of quartz monzonite and felsite porphyry. The sedimentary rocks strike principally north and dip gently to the west or southwest. A fault of minor displacement trends west-northwest across the area just south of the claims.

Low-grade lead-zinc-copper ore in the quartzite has been exposed in two shallow pits, about 200 feet apart, dug by the applicants. Here lead, zinc, copper, and iron sulfides are disseminated in a matrix of fine-grained, clear granular quartz. However, the character and attitude of the deposits are indistinct, and so no ore reserves could be inferred.

According to Vanderwilt (USGS. Bull. 884), most of the ore production in the area (four small mines) has come from replacement-type deposits in limestone or quartzite.

Should the ore occurrences that have been prospected by the applicant be of the replacement type in quartzite, they may have economic potential, and should the occurrences be east-trending veins, it is possible that sizable ore bodies may occur as replacements in the overlying limestone.

The Field Team recommends denial without prejudice to the property, and states that if the applicant should expose the geologic formations by additional prospecting work, then a revised application should be considered. As no uranium was found to occur on the property, the new application would cover only copper, lead, and zinc.

Commodity Members' Comments:

U. S. Geological Survey - N. E. Nelson - December 15, 1955

Mr. Nelson concurs in the Field Team's recommendation of denial without prejudice.

U. S. Bureau of Mines - H. D. Keiser, December 16, 1955

Recommends the subject application be denied without prejudice.

Rare and Miscellaneous Metals Division - F. M. Murphy -
December 21, 1955

This Division concurs in the Field Team's recommendation to deny the subject application without prejudice.

Ernest Wm. Ellis

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

12/19/55 gla

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

December 16, 1955

Memorandum

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

From: H. D. Keiser, Bureau of Mines Member
Uranium Commodity Committee

Subject: Report of Examination, DMEA Docket 3946, Harry J. Johnson and Neil R. Jackson, Cunnison County, Colorado

I have reviewed the report of examination of Harry J. Johnson and Neil R. Jackson, DMEA Docket 3946, dated December 8 and received in this office December 13. I have also discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

The property was examined by W. D. McMillan and Robert U. King on October 13, 1955. Messrs. McMillan and King found that the potential of the property could not be evaluated because of limited exposures available.

We recommend that the application be denied without prejudice.

In accordance with the routing slip attached thereto, the report is being forwarded to the Chief, Division of Minerals.

H. D. Keiser

H. D. Keiser

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

December 16, 1955

Memorandum

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

From: H. D. Keiser, Bureau of Mines Member
Uranium Commodity Committee

Subject: Report of Examination, DMEA Docket 3946, Harry J. Johnson and Neil R. Jackson, Gunnison County, Colorado

I have reviewed the report of examination of Harry J. Johnson and Neil R. Jackson, DMEA Docket 3946, dated December 8 and received in this office December 13. I have also discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

The property was examined by W. D. McMillan and Robert U. King on October 13, 1955. Messrs. McMillan and King found that the potential of the property could not be evaluated because of limited exposures available.

We recommend that the application be denied without prejudice.

In accordance with the routing slip attached thereto, the report is being forwarded to the Chief, Division of Minerals.

H. D. Keiser

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

December 16, 1955

Memorandum

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

From: H. D. Keiser, Bureau of Mines Member
Uranium Commodity Committee

Subject: Report of Examination, DMEA Docket 3946, Harry J. Johnson and Neil R. Jackson, Cunnison County, Colorado

I have reviewed the report of examination of Harry J. Johnson and Neil R. Jackson, DMEA Docket 3946, dated December 8 and received in this office December 13. I have also discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

The property was examined by W. D. McMillan and Robert U. King on October 13, 1955. Messrs. McMillan and King found that the potential of the property could not be evaluated because of limited exposures available.

We recommend that the application be denied without prejudice.

In accordance with the routing slip attached thereto, the report is being forwarded to the Chief, Division of Minerals.

H. D. Keiser

12/16/55 gla

IN REPLY REFER TO:

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

RECEIVED
DEC 16 1955

December 15, 1955

Re: DMEA 3946
Harry Johnson & Neil Jackson
Jennie Mine
Gunnison Co., Colorado
$70,000 - Uranium, Copper, Lead, Zinc

Memorandum

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

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

Subject: Review of Field Team report.

The applicants requested assistance in exploring some ill-defined low-grade lead, copper, and zinc veins, in which along their assumed courses, signs of radioactivity were said to show. The work proposed consists of bulldozing, drifting (2,000 feet), truck, trailers, etc., the cost of which is estimated to be $70,000.

The examiners found no evidence of radioactivity and the vein exposures so masked by debris and talus as to prohibit judgment, although mineralized quartzite from which samples were taken was seen. Two 4-foot pick samples from two pits assayed:--

No.	Au oz./ton	Ag oz./ton	Cu %	Pb %	Zn %
J-1-1	--	2.7	0.5	0.2	1.9
J-2-1	--	4.2	1.0	0.3	2.1
"Applicant"	0.03	13.0	1.5	4.0	5.9*

* Would appear to be of selected material.

As no radioactivity was detectable and the exposures of the base metal vein promises so little, the examiners and the Field Team recommend that the application be denied without prejudice. If the applicants see fit to 'dress up' the poor exposures or find others of more promise, a revised application would receive consideration. I concur with the recommendation.

N. E. Nelson

N. E. Nelson

IN REPLY REFER TO:

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

RECEIVED
DEC 16 1955

December 15, 1955

Re: DMEA 3946
Harry Johnson & Neil Jackson
Jennie Mine
Gunnison Co., Colorado
$70,000 - Uranium, Copper, Lead, Zinc

Memorandum

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

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

Subject: Review of Field Team report.

The applicants requested assistance in exploring some ill-defined low-grade lead, copper, and zinc veins, in which along their assumed courses, signs of radioactivity were said to show. The work proposed consists of bulldozing, drifting (2,000 feet), truck, trailers, etc., the cost of which is estimated to be $70,000.

The examiners found no evidence of radioactivity and the vein exposures so masked by debris and talus as to prohibit judgment, although mineralized quartzite from which samples were taken was seen. Two 4-foot pick samples from two pits assayed:--

No.	Au oz./ton	Ag oz./ton	Cu %	Pb %	Zn %
J-1-1	--	2.7	0.5	0.2	1.9
J-2-1	--	4.2	1.0	0.3	2.1
"Applicant"	0.03	13.0	1.5	4.0	5.9*

* Would appear to be of selected material.

As no radioactivity was detectable and the exposures of the base metal vein promises so little, the examiners and the Field Team recommend that the application be denied without prejudice. If the applicants see fit to 'dress up' the poor exposures or find others of more promise, a revised application would receive consideration. I concur with the recommendation.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-12/15/55
cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file; J. E. Crawford, 3641; J. O. Hosted, 3210

IN REPLY REFER TO:

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

RECEIVED
DEC 16 1955

December 15, 1955

Re: DMEA 3946
Harry Johnson & Earl Jackson
Jennie Mine
Gunnison Co., Colorado
$70,000 - Uranium, Copper, Lead, Zinc

Memorandum

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

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

Subject: Review of Field Team report.

The applicants requested assistance in exploring some ill-defined low-grade lead, copper, and zinc veins, in which along their assumed courses, signs of radioactivity were said to show. The work proposed consists of bulldozing, drifting (2,000 feet), truck, trailers, etc., the cost of which is estimated to be $70,000.

The examiners found no evidence of radioactivity and the vein exposures so masked by debris and talus as to prohibit judgment, although mineralized quartzite from which samples were taken was seen. Two 4-foot pick samples from two pits assayed:—

No.	Au oz./ton	Ag oz./ton	Cu %	Pb %	Zn %
J-1-1	--	2.7	0.5	0.2	1.9
J-2-1	--	4.2	1.0	0.3	2.1
"Applicant"	0.03	13.0	1.5	4.0	5.9*

* Would appear to be of selected material.

As no radioactivity was detectable and the exposures of the base metal vein promises so little, the examiners and the Field Team recommend that the application be denied without prejudice. If the applicants see fit to 'drum up' the poor exposures or find others of more promise, a revised application would receive consideration. I concur with the recommendation.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-12/15/55
cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file: J. E. Crawford, 3641; J. O. Hosted, 3210

IN REPLY REFER TO:

RECEIVED
DEC 16 1955

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

December 15, 1955

Re: DMEA 3945
Harry Johnson & Hail Jackson
Jennie Mine
Gunnison Co., Colorado
$70,000 - Uranium, Copper,
Lead, Zinc

Memorandum

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

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

Subject: Review of Field Team report.

The applicants requested assistance in exploring some ill-defined low-grade lead, copper, and zinc veins, in which along their assumed courses, signs of radioactivity were said to show. The work proposed consists of bulldozing, drifting (2,000 feet), truck, trailers, etc., the cost of which is estimated to be $70,000.

The examiners found no evidence of radioactivity and the vein exposures so masked by debris and talus as to prohibit judgment, although mineralized quartzite from which samples were taken was seen. Two 4-foot pick samples from two pits assayed:--

No.	Au oz./ton	Ag oz./ton	Cu %	Pb %	Zn %
J-1-1	--	2.7	0.5	0.2	1.9
J-2-1	--	4.2	1.0	0.3	2.1
"Applicant"	0.03	13.0	1.5	4.0	5.9*

* Would appear to be of selected material.

As no radioactivity was detectable and the exposures of the base metal vein promises so little, the examiners and the Field Team recommend that the application be denied without prejudice. If the applicants are fit to 'dress up' the poor exposures or find others of more promise, a revised application would receive consideration. I concur with the recommendation.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-12/15/55
cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file: L. E. Crawford, 3641; L. C. Hunter, 3210

12/15/55 gla

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

RECEIVED
DEC 12 1955

December 8, 1955

224 New Customhouse
Denver 2, Colorado

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Field Team, Region III

Subject: Joint Report of Examination, DMEA Docket 3946 (Uranium, Lead, Zinc, Copper), Harry J. Johnson and Neil R. Jackson, Gunnison County, Colorado

Enclosed are the original and three copies of the report pertaining to the above application.

The field examiners recommend that the application be denied without prejudice. We concur in this recommendation.

E. N. Harshman

E. N. Harshman
Acting Executive Officer, DMEA
Field Team, Region III

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
12-14-55
(date)

RECEIVED
DEC 12 1955

Building 20
Denver Federal Center
Denver 2, Colorado
December 6, 1955

REGION III

TRANSMITTED
DEC 8 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: E. N. Harshman
John F. Shaw

Subject: Docket No. DMEA 3946, Harry J. Johnson and Neil R. Jackson, (Uranium, lead, zinc and copper) Gunnison County, Colorado

Enclosed are the original and 9 copies of the Joint Engineering and Geologic Report by Robert U. King, Geologist, and W. D. McMillan, Mining Engineer, covering Docket No. DMEA 3946.

Harry J. Johnson and Neil R. Jackson applied for exploration assistance in the amount of $70,000.00 to explore the Jenny, Jimmy, Mamie and Anna claims for uranium, lead, zinc and copper by 1700 feet of core drilling and 2000 feet of crosscuts and drifts.

An examination was made on October 13, 1955 by W. D. McMillan and Robert U. King. The potential of the property could not be evaluated because of limited exposures available.

It is recommended that the application be denied. However, if the applicants should perform additional work on the property and expose the geologic formations, it is recommended that a revised application be considered.

E. N. Harshman

E. N. Harshman
Member Field Team

John F. Shaw

John F. Shaw
Supervising Mining Engineer

JFS/mw
cc 9
E. N. Harshman
DMEA 3946
Chron.

Reviewed by
DMEA OPERATING COMMITTEE
12-14-55
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

RECEIVED
DEC 12 1955

DEFENSE MINERALS EXPLORATION ADMINISTRATION

JOINT REPORT OF EXAMINATION BY EXAMINING TEAM
REGION III

TRANSMITTED
DEC 8 1955

DMEA 3946

HARRY J. JOHNSON AND NEIL R. JACKSON

Jenny, Jimmy, Mamie, and Anna Claims

Emerald Lake Mining District

Gunnison County, Colorado

Uranium, Lead, Zinc, and Copper

Joint Engineering and Geologic Report

By

Robert U. King, Geologist
Geological Survey

W. D. McMillan, Mining Engineer
Bureau of Mines

December 2, 1955

Reviewed by
DMEA OPERATING COMMITTEE
12-14-55
(Date)

DMEA 3946

RECEIVED
DEC 12 1955

HARRY J. JOHNSON AND NEIL R. JACKSON
JENNY, JIMMY, MAMIE, AND ANNA CLAIMS
GUNNISON COUNTY, COLORADO

CONTENTS

Joint engineering and geologic report — Page

Summary, conclusions and recommendations 1
Introduction 2
Acknowledgments 3
Location and physical features 3
History, production and ownership 4
Present Status 5
Exploration and development 5
Mining Equipment and other facilities 5
Minable reserves 5
Geology and description of the deposits 5
Conclusions 8
Recommendations 8

ILLUSTRATIONS

Figure — Follows Page

1. Location map, Harry J. Johnson and Neil K. Jackson, Jenny claim group, Gunnison County, Colorado. DMEA 3946 3

2. Geologic map showing applicants' claims and adjacent claims. Emerald Lake District, Gunnison County, Colorado 4

DMEA 3946

RECEIVED
DEC 12 1955

HARRY J. JOHNSON AND NEIL R. JACKSON
JENNY, JIMMY, MAMIE, AND ANNA CLAIMS
EMERALD LAKE MINING DISTRICT
GUNNISON COUNTY, COLORADO

SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

By W. D. McMillan and Robert U. King

Harry J. Johnson and Neil R. Jackson applied to the Defense Minerals Exploration Administration for Government assistance to explore for uranium, lead, zinc, and copper on their Jenny, Jimmy, Mamie, and Anna claims. The applicants proposed to explore three fissure veins by 1,700 feet of diamond core drilling and 2,000 feet of crosscuts and drifts at an estimated total cost of $70,000 in one stage. Government participation for uranium would be $52,500, and for lead, zinc, and copper $35,000.

An examination by a DMEA Region III examining team was made on October 13, 1955, accompanied by the applicants.

No radioactivity anomalies were found on the subject claims.

Two adits of unknown length that are now caved have been driven on the Jenny claims. Shallow pits at the portals of these adits, 200 feet apart in a line trending N. 35° W., expose mineralized quartzite. Lead, zinc, and copper sulfides are sparsely disseminated in a matrix of fine-grained granular quartz; the average combined metal content of two samples collected from the pits is 3.0 percent.

Because of the limited exposures that were made available by the applicants, the size, attitude, and character of the sulfide deposits cannot be determined, and the potential of the property cannot be evaluated at this time. The locality is on the margin of a small metal mining district and for

lack of geologic evidence to the contrary, it must be inferred that the ore potential of this property is less than economic.

The examining team recommends that the application for assistance to explore for uranium, copper, lead, and zinc on the Jenny, etc., claims be denied but without prejudice to the property.

INTRODUCTION

Harry J. Johnson and Neil R. Jackson applied to the Defense Minerals Exploration Administration for Government assistance to explore for uranium-lead-zinc-copper ore on 16 claims located by them in June and August 1955. The applicants propose 1,700 feet of diamond core drilling and 2,000 feet of crosscuts and drifts at a total estimated cost of $70,000, Government participation at 50 percent for base metals would be $35,000.

An examination was made on October 13, 1955, by an examining team consisting of W. D. McMillan of the Bureau of Mines and Robert U. King of the Geological Survey, accompanied by Harry J. Johnson and Neil R. Jackson, the applicants.

The examination included a field check of a number of claim corners, brunton surveys, radioactivity traverses across parts of the claims, and of the base metal deposits, and sampling of these deposits.

No radioactivity anomalies were found on the subject claims. The U. S. Atomic Energy Commission reported that their field parties had recently investigated this locality for trace elements and had obtained essentially negative results.

Small lead-copper-zinc deposits occur on the Jenny claims and on the High and Mighty claims adjoiningthe Jenny claims to the west.

ACKNOWLEDGMENTS

The Grand Junction Operations office of the U. S. AEC made available to the examining team the results of their investigation for trace elements in the Emerald Lake area.

The regional geology of the area was obtained from the U. S. Geological Survey Report on the Snowmass Mountain area, by J. W. Vanderwilt, Bull. 884, 1937, and the geology shown on figure 2 of this report is taken directly from Plate I of the bulletin.

LOCATION AND PHYSICAL FEATURES

The Jenny, Jimmy, Mamie, and Anna claims are in the northern part of the Emerald Lake mining district, 41 miles north of Gunnison, Colorado. Colorado State Highway 135 is paved to Crested Butte, 28 miles, with a county graded road to Emerald Lake, 13 miles, the last 4 having steep grades (See fig.1).

The applicants' claims are in unsurveyed lands, with an approximate location in sections 7 and 18, T. 12 S., R. 86 W., and section 12, T. 12 S., R. 87 W., 6th principal meridian. Altitudes on the claims range from 10,475 feet to 11,000 feet, with altitudes of over 12,000 feet east and west of the claims.

Because of the high altitude, the winter season is long and severe. Heavy snowfall and sub-zero temperatures, accompanied by avalanches, would restrict surface operations chiefly to the summer and fall months. An adequate supply of water for mining and drilling operation is available from East River and from Emerald Lake. Native timber would be available from the local sources within 10 miles of the claims. The nearest public utility power supply is at Gothic, 4 miles southeast of the property. Housing could be provided at Crested Butte, which is also the nearest source of supplies 13 miles from the claims.

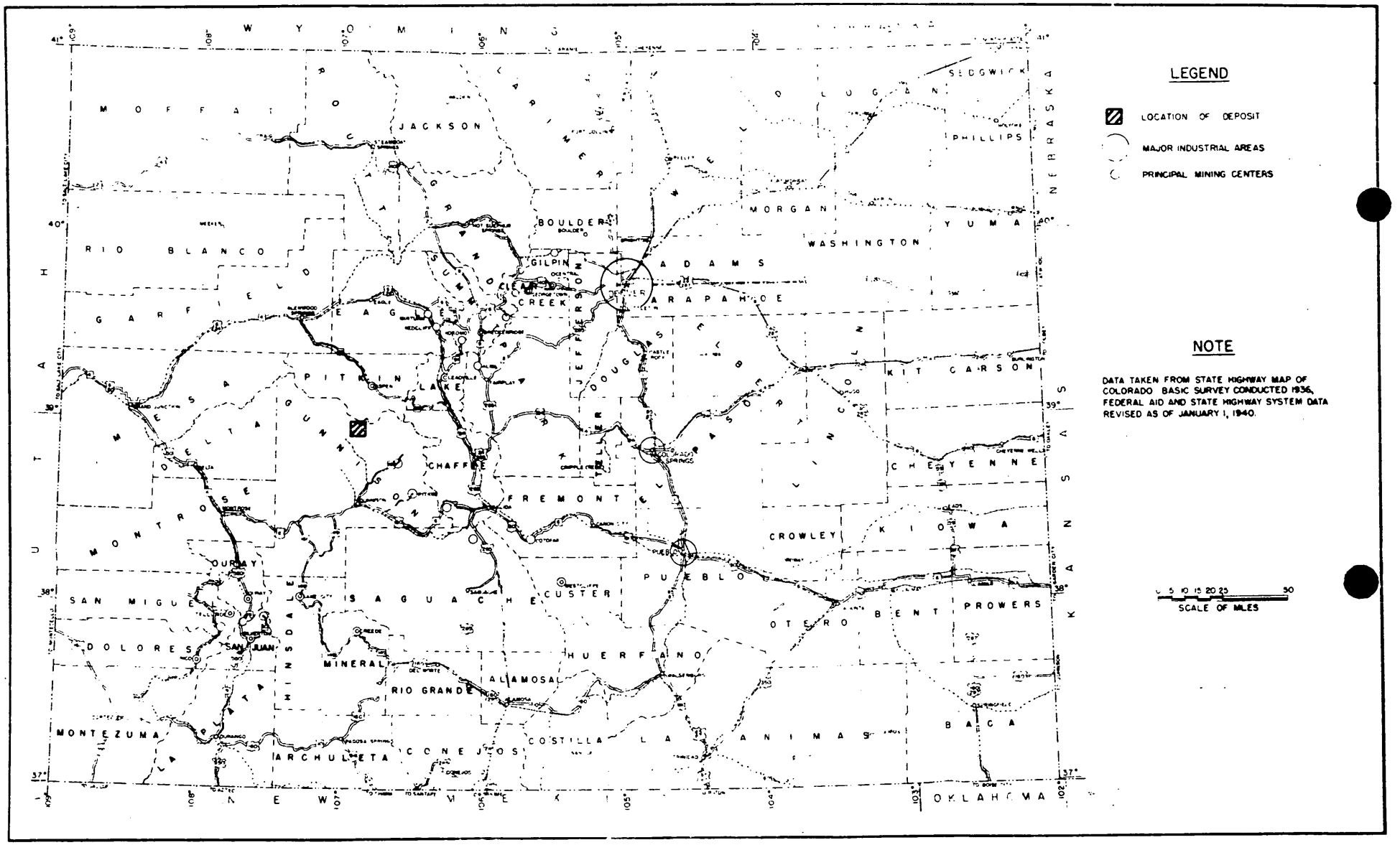


FIGURE 1 - LOCATION MAP, HARRY J. JOHNSON AND NEIL K. JACKSON, JENNY CLAIM GROUP, GUNNISON COUNTY, COLO. DMEA 3946

HISTORY, PRODUCTION, AND OWNERSHIP

Prospecting for base metals began near Gothic around 1890, but no important discoveries were made. No mining has been done on the applicants' claims.

The applicants hold by location 16 claims. These are the Jenny Nos. 1 to 4, the Jimmy Nos. 1 to 4, the Mamie Nos. 1 to 4, and the Anna Nos. 1 to 4. Inspection of the records at the Gunnison recorder's office provided the following information:

Claim	Book No.	Page No.	Location date	Recorded Date	Cert. No.
Jenny No. 1	305	322	6/1/55	6/4/55	223,028
Jenny No. 2	305	322	6/1/55	6/4/55	223,029
Jenny No. 3	305	331	6/2/55	6/6/55	223,039
Jenny No. 4	305	331	6/2/55	6/6/55	223,040
Jimmy 1-4	(Not recorded	10/14/55)	8/2/55		225,561 to 225,564
Mamie 1-4	"	"	8/2/55		225,565 to 225,568
Anna 1-4	"	"	8/18/55		226,611 to 226,614

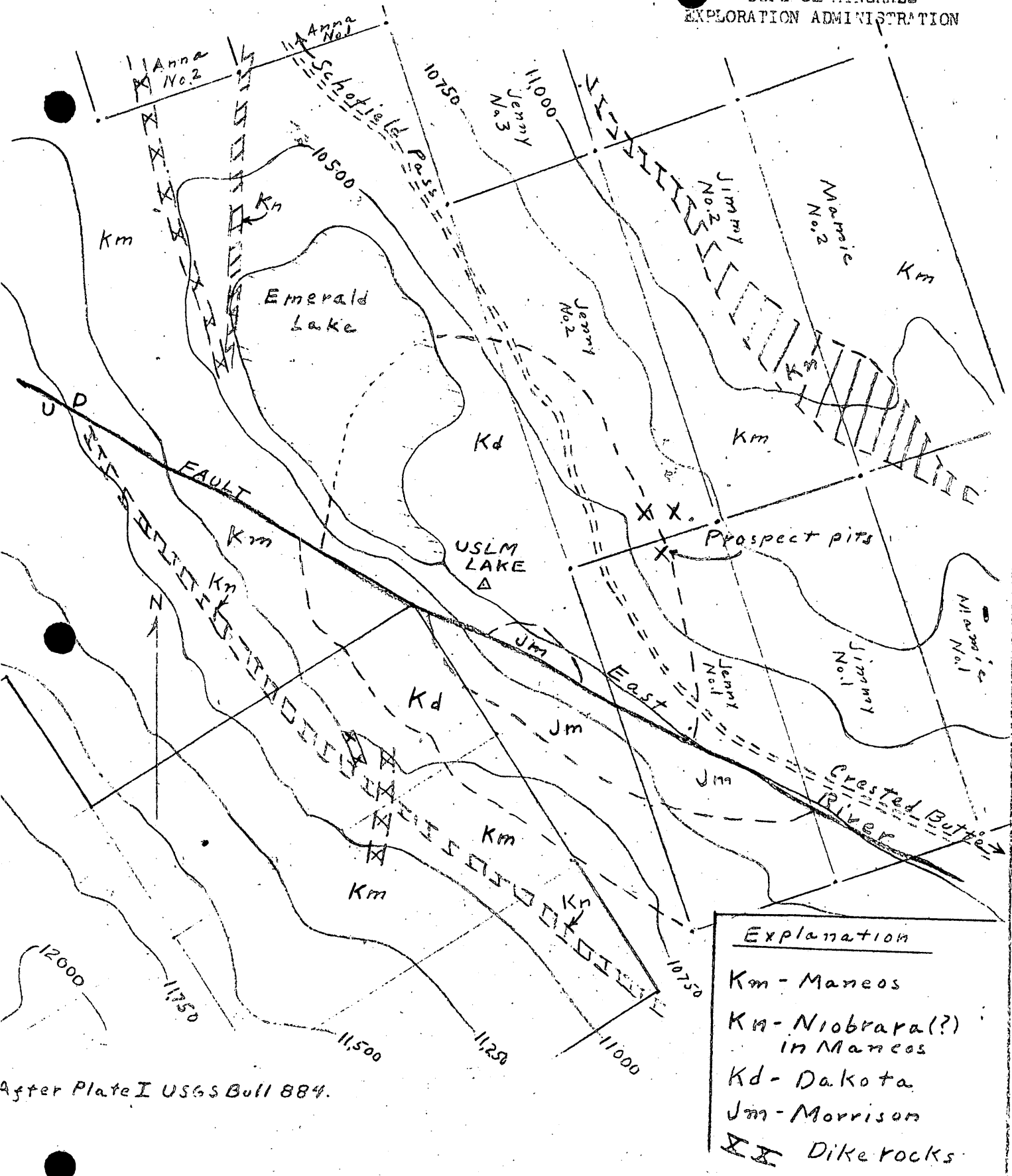
Posts have been set on the claim corners and the centers of end lines. The direction of the center lines of the Jenny Nos. 1 and 2 claims differs from the direction of the west side lines of these claims, as shown on figure 2. The claims have not been surveyed, nor has a map been filed in accordance with the Colorado Mining Laws, but the applicants stated that they plan to have this done before the end of October 1955.

The field check and examination of the records in the Gunnison Courthouse indicate that the locations are valid and cover the area of the proposed exploration.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DMEA 3946

PREPARED FOR THE
DEFENSE MINERALS
EXPLORATION ADMINISTRATION



After Plate I USGS Bull 884.

FIGURE 2. - GEOLOGIC MAP SHOWING APPLICANTS' CLAIMS AND ADJACENT CLAIMS, EMERALD LAKE DISTRICT, GUNNISON COUNTY, COLORADO.

0 500 1000 Ft.

R. U. King, Nov. 1955

PRESENT STATUS

Exploration and Development

Shallow pits and two short adits, now filled with slide rock, have been dug by unknown parties during the early part of the century on three mineral occurrences, as shown on figure 2. No work has been done by the applicants.

Mining Equipment and other facilities

None.

MINABLE RESERVES

The applicant submitted a sample from the principal deposit on the Jenny Nos. 1 and 2 claims to the American Smelting and Refining Company's laboratory at Leadville, Colorado, and the examining team took two samples. The results of analyses of this sample and two samples collected by the examining team are given below:

Sample No.	Location	Au oz/Ton	Ag oz/Ton	Cu percent	Pb percent	Zn percent
A-1	Pits on Jenny Nos. 1 to 2	0.03	13.00	1.5	4.0	5.9
J-1-1	4-foot pick sample near north center post of Jenny No. 1	---	2.7	0.5	0.2	1.9
J-2-1	4-foot pick sample 150 feet north of south center line of Jenny No. 2	---	4.2	1.0	0.3	2.1

The character and attitude of the deposits are indistinct, and so there are not any ore reserves inferred.

GEOLOGY AND DESCRIPTION OF THE DEPOSITS

The Emerald Lake mining district is in the southeastern part of the Snowmass Mountain area. The geology and ore deposits of the area are described

by Vanderwilt (U. S. G. S. Bull. 884, 1937). The ore deposits surround the Treasure Mountain structural dome on three sides and are concentrated along the northeast flank of the dome in a faulted and fissured zone 1 to 3 miles wide and 8 miles long. The country rock of the zone comprises sedimentary rocks that range in age from Pennsylvanian to Cretaceous. A large mass of Tertiary granite forms the dome, the central part of which is about 4 miles west-northwest of Emerald Lake.

The sedimentary rocks of the Emerald Lake district consist of Dakota quartzite and Mancos shale of Cretaceous age (fig. 2).

The Dakota quartzite is a white dense finely-granular indurated sandstone. It is more than 200 feet thick. Overlying the Dakota quartzite is the Mancos shale, a uniformly dark gray to black shale that readily weathers to clay. It is more than 2,000 feet thick. About 500 feet above the base of the Mancos shale is a gray fossiliferous limestone bed 20 to 40 feet thick. This limestone (Niobrara ?) is of some economic importance in the Snowmass area and is locally known as the "Lead King lime"; it marks the ore zone in the Lead King mine some distance north of Emerald Lake.

All of the sedimentary rocks in the immediate area of the Treasure Mountain dome have been metamorphosed as a result of the intrusion of the granite. In the vicinity of Emerald Lake the Mancos shale is changed to a black flinty hornfelsic rock that disintegrates by weathering into blocky fragments.

The lower parts of the westward-facing slopes east of Emerald Lake are almost completely covered with slide rock from the Mancos shale which effectively masks the contact with the underlying quartzite. On the Jenny No. 1 and No. 2 claims quartzite crops out for short distances and forms a single discontinuous bench about 200 feet above the Schofield Pass road.

The applicants' claims along the east side of Emerald Lake are in Dakota quartzite and Mancos shale. In the vicinity of the claim group the sedimentary rocks are cut by dikes and sills of quartz monzonite and felsite porphyry. The sedimentary rocks strike principally north and dip gently to the west or southwest. A fault of minor displacement trends west-northwest across the area just south of the claims.

Lead-zinc-copper ore in the quartzite has been found on the claims. Two shallow pits, about 200 feet apart, have been dug by the applicants in the quartzite bench in a northwest-trending line. In both pits mineralized quartzite is exposed. Lead, zinc, and copper sulfides and pyrite are disseminated in a matrix of fine-grained clear granular quartz.

On the Jenny No. 1 claim the quartzite in the pit is mineralized over an area of about 100 square feet. The floor of the pit, not more than 2 feet deep, is in mineralized quartzite. The attitude of the mineralized zone is not apparent nor is the dip of the quartzite known. The mineralized zone may represent a steeply dipping east-trending vein deposit that had been followed by an adit as one or two sticks of timber are still visible protruding through the slide rocks that cover most of the exposure. However, the poorly defined limits of the mineralized area suggest that the occurrence is a replacement-type deposit in the quartzite.

The character of a similar zone of mineralized quartzite exposed in a pit on the Jenny No. 2 claim, is also undetermined. The applicants report that there may have been old workings at this exposure, and the existence of some mine openings are suggested by the remains of mining equipment lying about in the valley floor at the foot of the slide rock below the exposure.

According to Vanderwilt (U.S.G.S. Bull. 884), most of the ore production has come from replacement-type deposits in limestone or quartzite and vein deposits

have not proved to be economically important in the district. Most of the ore from this area has come from four mines, all of which are blanket deposits of the replacement type.

Should the ore occurrences that have been prospected by the applicants be of the replacement type in quartzite, they may have economic potential, and should the occurrences be east-trending veins, it is possible that sizable ore bodies may occur as replacements in the overlying Niobrara (?) limestone.

Insufficient prospecting has been done on the applicants' property to permit a determination of the character and attitudes of the ore occurrences by the examining team.

CONCLUSIONS

Deposits of lead-zinc-copper ore in quartzite have been exposed by the applicants, but because so little prospecting work has been done, the size, attitude, and character of the deposits cannot be determined at this time, and the potential for production is unknown but presumed to be small.

No significant uranium deposits have been discovered on the claim group nor in the immediate vicinity.

RECOMMENDATIONS

The examining team recommends that the application for assistance to explore for uranium-lead-zinc-copper deposits on the subject claims be denied but without prejudice to the property.

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

RECEIVED
SEP - 6 1955

September 1, 1955

224 New Customhouse
Denver 2, Colorado

Memorandum

To: W. H. King
E. N. Harshman

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 3946, (Uranium, Copper, Lead, Zinc), Harry J. Johnson and Neil R. Jackson, Jenny claims, et al., Gunnison County, Colorado

Enclosed is the subject application in the amount of $70,000.00. Also attached is a copy of a letter from the Chairman of the Operating Committee and memoranda from the Uranium Commodity Committee.

We concur in the doubt that the applicant could furnish enough significant additional information to make the application more acceptable.

A field examination and suitable report are requested.

W. M. Traver

W. M. Traver

Enclosure

HMC:ab
cc: Sec. Op. Comm. (2)
Docket 3946
Chron.

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

RECEIVED
SEP - 6 1955

September 1, 1955

224 New Customhouse
Denver 2, Colorado

Memorandum

To: W. H. King
E. N. Harshman

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 3946, (Uranium, Copper, Lead, Zinc), Harry J. Johnson and Neil R. Jackson, Jenny claims, et al., Gunnison County, Colorado

Enclosed is the subject application in the amount of $70,000.00. Also attached is a copy of a letter from the Chairman of the Operating Committee and memoranda from the Uranium Commodity Committee.

We concur in the doubt that the applicant could furnish enough significant additional information to make the application more acceptable.

A field examination and suitable report are requested.

W. M. Traver

W. M. Traver

Enclosure

HMC:ab
cc: Sec. Op. Comm. (2)
Docket 3946
Chron.

Surname 700

Murphy
Ellis
Yoges
Rosecard
Selfridge

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

AUG 29 1955

Messrs. Harry J. Johnson and
Neil R. Jackson
Box 11
Hathaway, Colorado

Re: Docket No. DMEA-3246 (uranium, copper, lead, zinc)
Jenny claims, et al.
Gunnison County, Colorado

Gentlemen:

The application for assistance in exploring the subject property in Gunnison County, Colorado, under the captioned docket number, has been reviewed by the Rare and Miscellaneous Metals Division of the Defense Minerals Exploration Administration. It has been referred to the Executive Officer of Region III at the following address:

Mr. W. H. Graver
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

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

Sincerely yours,

C. O. Mittendorf (for)

Administrator

FMMurphy:em
8-25-55
cc to: Admr. Reading File
Docket
Code 700
Mr. Murphy
DMEA Field Team, Region III(2)

RCS.

Surname 700

Murphy
Ellis
Selfridge

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

AUG 29 1955

Mr. W. A. Traver
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA-3946 (Uranium, copper, lead, zinc)
Harry J. Johnson and Neil R. Jackson
Jenny claims, et al.
Gunnison County, Colorado

Dear Mr. Traver:

The subject application is referred to Region III Field Team for investigation, a field examination, and recommendation. A copy of the application was retained by your office.

Enclosed are copies of memoranda from John E. Crawford, dated August 18, and W. P. Williams, dated August 24, 1955, members of the Uranium Commodity Committee.

In part, Mr. William's memorandum states our reasons for referring the subject application to the Field Team instead of requesting the Applicant to submit additional data to justify the present proposed adit and drift work.

You will note that Mr. Crawford recommends denial of the application with regard to uranium, unless the presence of radioactive minerals is verified.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (GCS)

Enclosures

APPROVED:

P. F. Yopes (GCS)
Member, Bureau of Mines

Thor H. Kiilsgaard (GCS)
Member, Geological Survey

FMMurphy:am
8-25-55
cc to: Admr. Reading File
Operating Committee
Docket
Messrs. J. E. Crawford, Rm. 3641
T. H. Kiilsgaard, Rm. 5222
J. O. Hosted, Rm. 3210, GSA
Code 700
Mr. Murphy

PAK

8/25/55-gla

IN REPLY REFER TO:

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

August 24, 1955

Memorandum

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

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

Subject: Review of DMEA application, Docket No. 3946, Harry J. Johnson and Neil R. Jackson, Jenny et al. claims, Gunnison County, Colorado.

The subject application is not very well prepared. Principal shortcomings are lack of a geologic report, lack of assay data, and a vague exploration proposal which does not appear to be suitable for DMEA participation.

I doubt that the applicant could furnish enough significant additional information to make the application more acceptable. It appears that the best course of action, in this case, would be to have the Field Team examine the property, appraise the ore-producing potential of the area, and, if warranted, discuss with the applicant a modified exploration program consisting, perhaps, of bulldozer stripping, trenching, and sampling and core drilling.

WPWilliams

W. P. Williams

RECEIVED

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

August 18, 1955

Memorandum

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

RECEIVED
AUG 18 1955

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

Subject: Application for assistance, DMEA Docket 3946, Harry J. Johnson and Neil R. Jackson, Gunnison County, Colorado.

I have reviewed the attached application, DMEA Docket 3946, Harry J. Johnson and Neil R. Jackson, and I have discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

The applicant proposes to explore for uranium, copper, lead, and zinc, a group of 16 claims located in Elk Mountain mining district, Gunnison County, Colorado, at an estimated cost of $70,000.

The proposed exploration plan consists of driving a tunnel on the south end of the claims which will be the main heading and will crosscut three mineralized veins which lie in a north - south direction. The total length of exploratory tunnel to be driven is estimated at 2,000 feet, of which 1,550 feet will be the main heading and the remainder short tunnels. The cost of $35 per foot for drifting is not excessive, if the applicant includes ventilation, drainage, and timbering in that figure.

The applicant states that a radiometric survey with both a Geiger and a scintillation counter indicated anomalies on the outcrops and the tunnel course, but an assay submitted by him failed to show the presence of uranium.

I recommend denial of the application for the exploration of uranium. A $70,000 expenditure does not appear warranted merely because of better than average readings on a radioactivity counter.

Mr. Hosted indicates that he cannot approve the application without more evidence of uranium mineralization. He suggests the applicant be requested to submit assay results which may verify the presence of radioactive minerals.

John E. Crawford

John E. Crawford

Attachment

IN REPLY REFER TO:

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

August 24, 1955

Memorandum

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

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

Subject: Review of DMEA application, Docket No. 3940, Harry J. Johnson and Neil R. Jackson, Jenny et al. claims, Gunnison County, Colorado.

The subject application is not very well prepared. Principal shortcomings are lack of a geologic report, lack of assay data, and a vague exploration proposal which does not appear to be suitable for DMEA participation.

I doubt that the applicant could furnish enough significant additional information to make the application more acceptable. It appears that the best course of action, in this case, would be to have the Field Team examine the property, appraise the ore-producing potential of the area, and, if warranted, discuss with the applicant a modified exploration program consisting, perhaps, of bulldozer stripping, trenching, and sampling and core drilling.

WPW

W. P. Williams

WPWilliams:iml
G-8/24/55

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

August 12, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region III.

DMEA-3946 Harry J. Johnson & Neil R. Jackson

Robert E. Adams,
Chief, Operation's Control
and Statistics Division

August 12, 1955
Subject: DMEA-3946
Re: Exploration Assistance
Jenny Mine

Messrs. Harry J. Johnson &
Neil R. Jackson
Box 11
Nathrop, Colorado

Gentlemen:

The receipt of your application dated August 8, 1955 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3946 and referred to the Rare and Miscellaneous Metals Division.

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

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

60932

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

224 New Customhouse
Denver 2, Colorado

August 9, 1955

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region III

Subject: Application for DMEA assistance (Uranium, Copper, Lead and Zinc), Harry J. Johnson and Neil R. Jackson, (Jenny, Jimmy, Mamie and Anna claims), Gunnison County, Colorado

Enclosed are three copies of the subject application in the amount of $70,000.00.

One copy of the application has been retained in our files.

W. M. Traver

Enclosures

W. M. Traver

RECEIVED
AUG 12 1955

DMEA
Date Rec'd
AUG 9 1955
BUREAU OF MINES
Denver, Colorado

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1082.

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

Not to be filled in by applicant

Docket No. 3946
Metal or Mineral Uranium-Copper-lead Zinc
Date Received 8-12-55
Estimated Cost 70,000
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Harry J Johnson P.O. Box 4 Nathrop, Colorado
Neil R. Jackson P.O. Box 11, Nathrop Colorado
Partners

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract: Group of 16 claims, Jenny claims Nos. 1, 2, 3 & 4. Jimmy Nos. 1, 2, 3 & 4. Mamie Nos. 1, 2, 3, & 4. and Anna Nos. 1, 2, 3, & 4. All in sections 7-18 & 12, 12S-76W Gunnison County, Elk Mountain Mining District, Colorado

(*b*) State any mine name by which the property is known. Will be known as the Jenny group

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise by right of discovery and location

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

(*e*) If you own the land, describe any liens or encumbrances on it none

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

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes. see page 1

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. None. Reserves unknown

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

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

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

16—66551-1

RECEIVED
AUG 12 1955

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

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

(*c*) The work will start within 10 days and be completed within 20 months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

☒ Money ☒ Use of equipment owned by you ☒ Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated August 8, 1955

Harry J Johnson & Neil R. Jackson
(Applicant)

By Harry J Johnson

P.O. Box 4 Rathrop, Colorado

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

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

Harry J. Johnson,
Box 4, Nathrop, Colo.

3(f)

Recorded description of the four claims on which our recording papers have been returned. Jenny No. 1 in NW 1/4 of section 18 12 S 86 W Gunnison County, Colorado. Recorded in Book ~~305~~ 305 at Page 322.

Jenny No. 2--NW 1/4 of section 18, 12 S 86W Gunnison County, Colorado. Recorded in Book ~~305~~ 305 at Page 322.

Jenny No. 3--in SW 1/4 section 7 12S, 86 W Gunnison County, Colorado. Recorded in Book 305 at Page 321.

Jenny No. 4 in SW 1/4 section7, 12S--86W Gunnison County, Colorado. Recorded in Book 305 at Page 321.

The following claims have been located and recorded, but due to the rush of recording at the Court House, we have not received book and page number:

Jimmy No. 1 in SW 1/4 of section 12S 86 W Gunnison County, Colo.
Jimmy No 2 in NW 1/4 of section 18, 12S 86W Gunnison County, Colo
Jimmy No. 3 in SW 1/4 of section 7, 12S 86W Gunnison County, Colo.
Jimmy No. 4 in SW 1/4 of section 7, 12S 86 W Gunnison County, Colo
Mamie No 1 in NW 1/4 of section 18 12S 86W Gunnison, County, Colo
Mamie No 2 in NW 1/4 of Section 18, 12S 86W Gunnison, County, Colo
Mamie No. 3 in SW 1/4 of section7, 12S 86W Gunnison County, Colo.
Mamie No. 4 in SW 1/4 of section 7, 12S 86W Gunnison County, Colo.
Anne No . 1 in SW 1/4 of section 7, 12S 86W Gunnison County, Colo.
Anne No. 2 in NW 1/4 of section 7, 12S 86W, Gunnison County, Colo.
Anne No. 3 in SE 1/4 of section 12, 12S 86W Gunnison County, Colo.
Anne No. 4 in SE 1/4 of section 12, 12S 86W Gunnison County, Colo.

4. Physical Description (A)

No mining has ever been done on these claims, only test holes and location work on the outcrop veins. Veins outcrop about 500 feet running north and South where Jenny No. 1 and 2 join. A cross-vein running East and West about 120 feet south from the end line of Jenny No. 1(see sketch). Just East of the Junction of the two veins a short tunnel was driven many years ago, now caved in. This East and West vein is about 5ft 6" wide. The North and South vein runs 6 ft 10" wide. These veins can be examined on the surface only.

C. The veins contain Sphalerite, Galena and Chalcopyrite. The country rock is Hornes shale with dikes, sills, with lacolithic masses of quartz monzonite.

Analysis on the out-crop veins on the Jenny No. 1 and 2 are as follows:

gold	silver	lead	copper	silica	iron	zinc	sulphur
0.07 oz	13.00 oz	4%	1.6%	65%	14.2	5.9	12.6

Analysis made by A. S & R smelter lab at Leadville. We have gotten very good readings with both Geiger counters and Scintillator counter along the tunnel course(see sketches 2 & 6)

4(d)

The property borders on the East Side of Emerald Lake, which is reached by a fair road, approximately 15 miles north from Crested Butte. This road continues over Schofield Pass to Marble, Placita, and Carbondale.

The A. S. ARR. have a new mill at Keystone, five miles West of Crested Butte. This mill is prepared to handle our type of ore. Our haul would be about 18 miles. Carbondale is about 35 miles over Schofield Pass where ore can be loaded on the D. & R/ G. W railroad for shipment to Salt Lake mills and smelters.

Supplies would have to come from Gunnison 41 miles South. There is plenty of housing at Crested Butte, due to the shutting down of the Coal Mines there.

4(e)

Gas power can be had from Leadville, Salida and Gunnison.
Heavy equipment would have to be brought from Denver.
There is plenty of water, because the portal will be feet above the Lake level. The power line is being built from Crested Butte to Gothic, four miles away.

5(b) We intend to drive a tunnel 1550 feet Easterly on the East and West vein, starting about 120 feet South of the North East line of Jenny No. 1. Cross-out through on East to Jimmy No. 1 on through to the center of Mamie No 1. At the same time exploring any veins, running at right angles to the exploration tunnel. We would drive short tunnels North for exploration purposes(25-50 ft)
Altogether we expect to drive about 2,000 feet of exploration tunnel(see sketches p 5-6)

5(d) I have been engaged continuously in mining and prospection since 1935, working for the London Mining & Milling Co. at Fairplay and Alma, the Resurrection Mining Co. at Leadville, Ellis Webster at Leadville; Jones & Sylene Mining Co. at Leadville and Summitville, Gold Leaf Mining & Dredging Co. at Leadville.
Manager of the Weston Pass Mines on Weston Pass, and prospecting for myself on several different lode and placer prospects.
Mr. Noel E. Jackson, my partner in this mining project has been engaged in mining, quarring and shaft sinking with the following firms for several years: The Frank Norberg Co. of Salida, for 8 1/2 years, Eugene Bishopp Contractor, 2 years; Palmer Construction, Anchorage, Alaska, Golden Cycle Corp, and the Gold Leaf Mining & Dredging Co. at Leadville. We will supervise and manage operations ourselves.

Harry J. Johnson,
Box 4, Nathrop, Colorado.

6(a)

36 hours of bulldozing at $15.00 per hour	$540.00
Core Drilling 1500 feet at $2.50 per foot	4,250.00

6(b)

Labor 416 shifts at $15.00 per shift	6,240.00
Supervision 2 men at $450.00 per man 4 months	3,600.00
Timber cutters 52 shifts at $14.00 per shift	728.00
Engineering and Geologic consultants	2,000.00
1 cook at $8.00 per day--120 days	968.00

13536.

6(c)

2 carpenter saws at $7.00 each	14.00
2 one-man cross saws at $7.00 each	14.00
2 timber or miner's axes at $3.75 each	7.50
3 square point shovels at $3.00 each	9.00
3 round point shovels at $3.00 each	9.00
6 picks at $4.50 each	27.00
2 cant hooks at $6.00 each	12.00
2 load finders at $4.00 each	8.00
1 tap and die set	30.00
1 blow torch	12.00
1 set open end wrenches	3.00
1 set box end wrenches	4.00
1 set steel letter and numeral stamps for marking tools	7.00
2 log chains 14 feet at $8.00 each	16.00
1 broad hatchet	3.00
1 post drill	30.00
1 brest drill	8.00
14 auger bits 1/4 in to 1 1/4 in	12.00
1 ratchet brace	5.00
1 set chisels	6.00
1 bench grinder	7.00
1 complete drawing outfit	25.00
1 belt-drive grind stone	15.00
100 rock bits at 60cents each	60.00
1 2 man saw, cross-cut	16.00
1 pocket hand sighting level	2.50
1 Brunton compass	50.00
4 tons of coal at $14.35 per ton	57.40
1,000 gals gas at 32cents per gal	320.00
1,000 gals fuel oil at 20cents per gal.	200.00
cup grease	20.00
50 gals anti freeze at $3.50 per gal	175.00
Pipe fittings, elbows, coupling valves, etc.	250.00
6(d) 1 four wheel drive pick-up truck with winch	2,700.00
1 210 cu. ft air compressor with diesel engine	8,000.00
200 feet air hose with fittings	150.00
200 feet water hose with fittings	130.00
1 chain saw 16 in or 20 inch blade	225.00

~~12639.40~~

6(c) continued

12639.40

2 Atlas-Diesel air leg drills, bits, steel, etc at $1000 ea. 2,000.00
1 stoper 600.00
2,000 2 inch pipe at 40 1/2 cents per foot 810.00
2,000 feet 1 inch pipe at 17 1/2 cents per ft 350.00
200 feet half inch pipe at 12 1/2 cents per ft 25.00
80 tons of 60 pound rails at $100 8,000.00
300 pounds track spikes at $42.00 per hundred 126.00
400 pairs link fishes at $1.00 a pair 400.00
1 machine circular saw 18-24" gauge 2,000.00
80 tons of powder at $100.00 per ton 8,000.00
10,000 caps at $2.00 per 100 240.00
Timber, lumber, posts, ties, wedges, etc 2,000.00
1 Canton car tractor 24" gauge 775.00
1 screw car hoist 1 ton cap. 80.00
1 oxy-acetylene welding outfit 180.00
42,000 feet fuse @ .01 per foot 420.00

34563.40

6(d)

4 cookes at $6.00 ea 24.00
Bedding supplies, blankets, sheets, pillows, etc. 100.00

6(f)

2 trailer houses at $1500.00 each 3,000.00
1 compressor, house and shop 3,000.00
spare shed for truck 250.00
fuel and oil house 200.00
2 compartment ore bin, each compartment 1000x12 2,000.00
1 electric generator set & wiring 2,000.00
2 500 gal gas and oil tanks at $200 each 400.00

11824.00

6(g)

Repair and upkeep on compressor 200.00
repair and upkeep on stoper and drills, etc 300.00
repair and upkeep on machine scooter 50.00
repair and upkeep on ore cars 50.00
repair and upkeep on pickup truck 100.00
analytical work 500.00
accounting 200.00
Workmen's compensation & employers liability insurance 1,500.00
Payroll tax & social security 100.00

600.00

2080.00

6(h)

Contingencies

-70,011.30

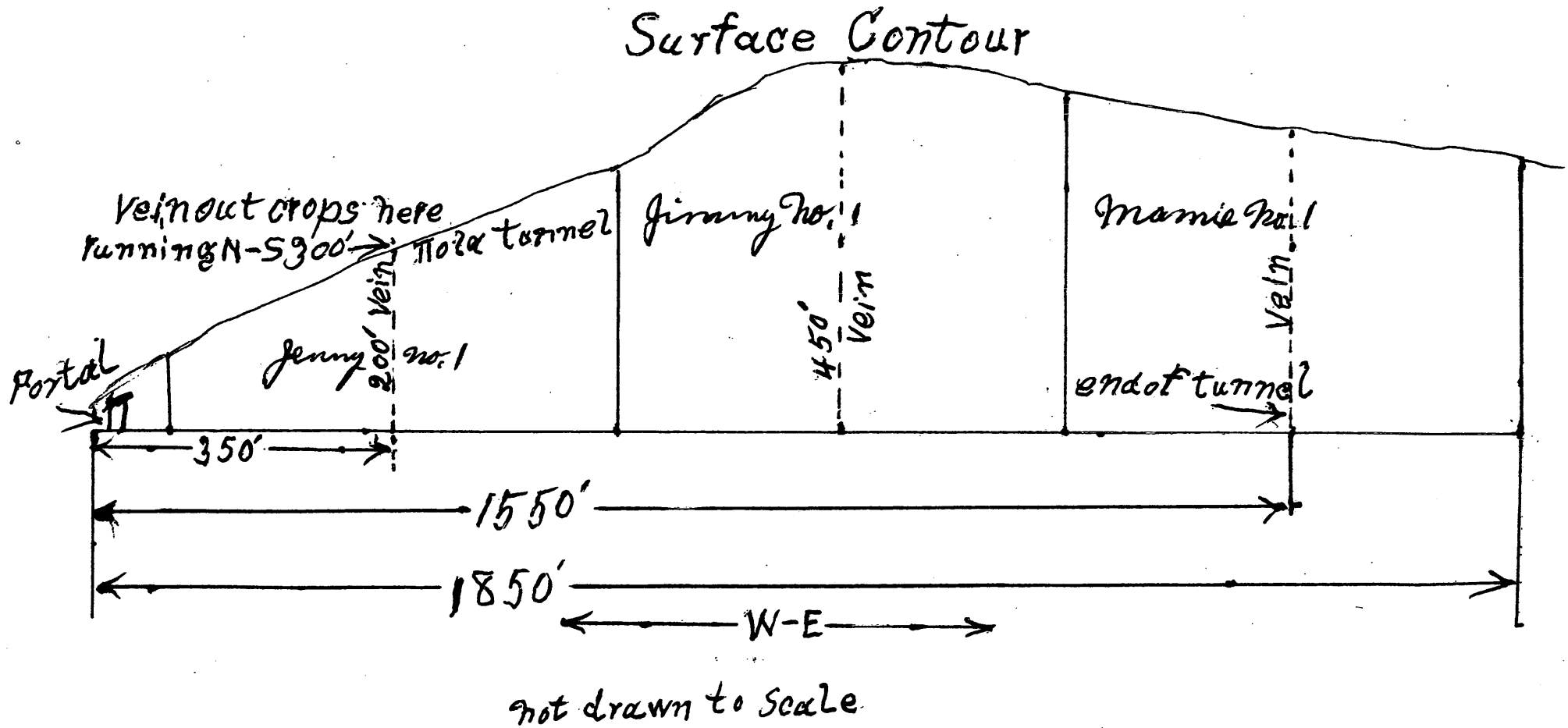
Total 9,017.40
$79,017.40

7(b)

We propose to furnish our share of the costs with money, such equipment as we already have, such small tools, pipe wrenches, double jacks, etc. We will also furnish part of our own labor, and all our own supervision and management. The two of us will devote all our time on and for the benefit of this property and mining project.

Harry J. Johnson
Box 4 Nathrop, Colo.

Cross Section of Proposed Tunnel



Sketch of Property

For 5 (4)

Box 1, Pathfinder Colo.
Harry Johnson

SPOKANE, WASH.
AG 8 6PM
1955

50 CENTS 30

Contract Administration and Audit Division
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.