Information required with [illegible]

[illegible] think [illegible] firm. If I am, mistaken I can get evi[illegible] banks here in Lewistown, Montana that I was unable [illegible] to develop & explore & mine on my mining property. [illegible] names are The First National Bank of Lewistown & the Northwestern Bank of Lewistown. I have a good credit rating at both banks but I am, sure they will not make any mining loans.

(b) There is no parent or controlling [illegible] associated with this firm.

(c) I propose to furnish my share of the cost of the exploration work through our labor and machinery [illegible] on hand which should be enough to take care of this part of the program.

I have parties in back of me together with myself that will do the necessary work. I am, an experienced mine operator and know geology as well as mineralogy.

No 2. Applicants Rights in Land:- I own the land & mineral rights through location. The claims are unpatented. There is no encumbrance against the property. Consists of two claims called the Armells Producer and High Hope Recorded in Book 13 page 526 & 527 Book 13 page 525 & 524 recorded June 29th, 1916 Section 15 & section 22, township 17 N, Range 20 E.

Physical Description:- The High hope has a 12 or 15 foot shaft on it also a 20 foot tunnel. The mineralization consists of Gold, Silver, lead, copper and zinc. Is a contact vein of Lime & Porphyry. Seems to be a true fissure vein almost perpendicular stricking east and west.

The Armells Producer claim is also a contact vein of lime & Porphyry but the strike is northwest by south east. The dip is every 20 foot depth the porphyry dips 4 foot to the west.

At present we have been working on this claim. Have a very large open pit on this claim and are down about 22 foot with a shaft also two crosscuts at the bottom of shaft up to 50 foot in length. Also 4 other shafts have been sunk on the property.

There is a large iron gozzan exposed showing mineralization.

In 1916 two carloads of ore was shipped from the property.

In 1937 I shipped 3 tons of ore from the property.

This spring we shipped 15,160 lbs wet weight of ore to the East Helena Smelter. Return sheet enclosed.

A report on this property is or was made by Alman F. Robertson of the U. S. Bureau of Mines Department of Interior Jan. 1950 Known as Bureau of Mines Information Circular 7544 Mines & Mineral Deposits Fergus County Montana.

No 4. Accessibility of Property.

I George C. Darrah of 818 W. Idaho Street Lewistown Montana can be contacted in Lewistown week ends as, we are working in the mountains through the week and come to Lewistown week ends. If notified before hand I can meet representative any day of the week. The property is about 30 miles northeast of Lewistown. Lewistown would be the supply point and shipping point as I understand the railroad is going to discontinue service to Hilger Fergus and Roy Montana. Hilger being about 8 miles from the property and a spur which is 5 miles from the property.

Exploration Work:- The exploration work we propose to do on the Armells Producer claim would be some bull-dozing work of open pit type to get most of the over burden off of the vein material. After that it most likely would be necessary to come in with a tunnel of about 300 to 400 foot in length width would most likely be a tunnel of 5 foot by 6 foot. We would hit the contact where the ore body lays at most likely 300 to 400 foot depth.

The open pit would most likely be very [illegible] as there is a considerable amount of [illegible]r burden on the vein. Abo[illegible] 45 foot deep. With most of it seeming to be li[illegible] and clay with some large boulders of lime in it. This work would be done about the middle of the claim. It most likely will be necessary to continue down with a shaft if not the one we have now most likely a new one. The shaft we have now is a 4x 6 foot.

On the high hoge it would be necessary to build a road to the spot where we intend to work. We can either come in with a tunnel or sink on the shaft that is now present on the property.
If we come in with a tunnel it is a natural set up for a tunnel we could get around 500 foot depth with a tunnel which would perhaps be around 200 or 300 foot in length.
The road to this spot would have to be about 12 foot wide and would be done with a bull-dozer.
This work would most likely have to be contracted out to an independent contracter. Also the open pit to the same party.
I would presume to allow around $10,000.00 for this work.
If this could be done some what cheaper all the better.
I think the cost of bull-dozing for a D-8 is $18 to $20 an hour.
A ripper would also be necessary on the dozer.
I think it best to let out this portion of the work as buying a dozer would be somewhat expensive. Although we have two bull-dozer operaters in our party and machanics.

Personal service:- I intend to supervise the project but would be pleased to have advice at times from your department or the U. S. Bureau of Mines. I have had mining experience since 1931. Shipped both lead ore and gold ore from this same property. We will have enough help of our own to do the necessary work. At present there are three of us on this project. If things get going favorably we will have three or four more of us on the job. This will be more or less a family project. I have three sons and two son-in-laws interested in this project.

Operating equipment:- We have at present a jeep pick up a hoist, engine connected to hoist, cable, small bull-dozer a dump truck ore bucket, two mine cars, shovels, picks, jack-hammer, 200 foot plastic hose, carbide lamps, camping material, powder, caps and fuse, new chain saw, other saws (hand), hammers single jacks and double jacks. Steel bits.

We most likely would have to purchase or rent a good drifter, also a compressor and most likely a dump truck.
As far as insurance we have our own insurance coverage at present.

I have a cabin on the property but it needs repairing. At present we are living in a trailer. I think it would be a better deal to purchase a trailer instead of fixing up the cabin. If this was down one could move closer to the work.

We intend to try and make from 5 to 10 foot progress a day if possible.

If I missed anything in making out this application I will be glad to do my best in furnishing more information if needed.
I am enclosing settlement sheets and assays I have on hand.

Yours truly,

/S/ George C. Darnell

My assays on the High Hope were sent to a party and never returned. One assay went 15% lead, .% zinc, $2.45 gold and 26 oz. silver per ton. Other assays showed from 11 oz to 18 oz. silver. The vein is around three foot wide at the present showing.

On the Armells Producer claim we are presently cross cutting at the bottom of the shaft to explore. The vein at that level is about three foot wide so far.