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RUDOLF C. STURM
HUMBOLDT, ARIZONA
PHONE NO. 8

Nov. 26, 1939

A. 12/11 39

Mr. G. M. Colvocoresses
1102 Luhrs Tower
Phoenix, Ariz.

Dear Sir:

My partner, Al Adams, has requested me to reply to your letter to him of Nov. 22.

I am enclosing a few notes on the known and reported features of the Boggs mine and a sketch taken from a map which we have. The inaccuracies of the map are obvious but the general outline seems to be correct.

Because of the offset between our new shaft and the old one electric power is essential. I estimate the total unwatering cost at \$3000 which includes power installation, pump, pipe, power, and labor. Little has been allowed here for timber as it seems highly improbable that any will be required even for ladders. To meet contingencies which may arise in opening the 200 foot level thru to the north an additional \$2000 is believed necessary. Thus giving a total of \$5000 to permit examination of most probable ore occurrences.

To put in production \$10,000 additional should be ample. We are basing our expectations on shipping ore at the present time. Our option calls for no payments the first year other than 10% royalty on ore shipped, so no capital need go toward paying for the property. Price of the property is \$20,000, payable over a period of four years beginning with minimum payments of \$400 per month the second year.

We will offer a majority interest for \$15,000 to be expended on the property. We will probably demand an agreement under which we shall direct the expenditure as we feel we can get the work done at minimum cost and without the usual waste. We are prepared to offer say 25% interest for the \$5000 needed for examination, additional money to be raised under a separate deal if conditions warrant.

We have a good deal of faith in the possibilities of the property but realize the difficulty instilling this faith in others. So we are prepared to alter our demands to meet those of the investor.

Very truly yours,

R. C. Sturm

*had copy
v. 6 2000*

December 4th, 1939

Mr. Rudolf C. Sturm
Humboldt,
Arizona

Re: Boggs Mine *file*

Dear Sir:

Thank you very much for your favor of November 26th with sketch and data enclosed.

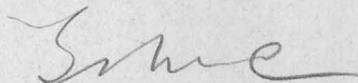
I have noted with interest the situation in which you and Adams are now placed and the terms which you would be willing to make to anyone who would supply money for the further development of the mine.

I have always thought well of this property as holding the possibility of becoming a comparatively small but profitable producer of high grade ore and while just at the moment, I do not know of anyone who might be interested in financing your venture, I will certainly bear this in mind and bring it to the attention of the first prospective investor with whom I may come in contact. You know how hard it is to secure money for anything of this kind under present conditions and while you might turn it over to some local promoter, I am afraid that they would not be likely to go very far and hope that you and Adams can arrange with your local friends to continue the operations and prove up a little more definitely the existence of ore in the old workings and particularly below the 400' level.

I note that the shipments which you have made to date have represented fair grade of material but I suppose that they do not leave you enough margin to enable you to carry out any large amount of development and any substantial body of \$12.00 ore would have to be treated in a mill in order to make the operation profitable.

Thanking you for your letter and hoping that I may be able to write you again on this subject, I remain

Yours very truly,



G. M. Colvocoresses

GMC:MF

--- BOGGS MINE. ---

Notes by G. M. Colvocoresses, December, 1933.

Owned by Phelps-Dodge Co. and now under lease to J. C. Gardner, who lives at the mine.

A new shaft is now being sunk in ore and Gardner intends to put in a small mill next spring but would preferably ship to Humboldt.

Composition of Ore:

Au-----0.2 oz.
Ag-----6.0 oz.
Cu-----3.0%
Pb-----3.0%
Zn-----10% plus

Trucking to Humboldt about \$0.75 and might ship 8 tons per day.

Chafey said there were 7000 tons of ore on the dump carrying \$7.00 per ton in gold and copper (700 tons shipped)

Mine now being reopened by J. D. Gardner in partnership with Ed Hesla of Prescott. Old Treadwill dump----5000 tons said to carry 0.2 oz. Au. and little Ag.

At Glory Hole there is another dump a part of which carries \$5.00 or more in gold and silver and a little copper and lead. Ore oxydized alongside the Glory Hole now available in small quantity and carried Au. 0.7, Ag little, Cu. 3%.

OCTOBER, 1937.

Operations of Gardner were not successful and another similar attempt was later made by other parties. Think this mine is idle at present.

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DISTRICT Big Bug
PROPERTY "Boggs"
LOCATION 1½ miles E. of Poland Junction
OWNERS Phelps Dodge Corporation - A. B. Peach, Mgr.
Prescott, Arizona.
DATE VISITED July 21, 1919

NOTES

Property consists of one claim located on outcrop of silicified sericitic schist, striking north about 30° E., and dipping to the E. 80°. On the foot wall there is an intrusive dike, probably of cyanite, several feet in width. Its relation to the ore body is doubtful.

DEVELOPMENT

See maps "1", "2" and "3" - B for detailed description of development work. Property is developed to a depth of 400 feet, and three small lenses of gold ore extracted. The value of this ore, according to past records, is approximately \$23.00 per ton.

In 1903 a party of leasers sunk a new shaft south of the old workings and drifted in under some of the old ore bodies. It is stated by Frank Giroux that in a 10 ft. winze on the 400 ft. level from the new shaft a 3 ft. body of \$20 to \$23 gold ore was encountered.

The new shaft is caved at the collar, and probably filled with water within 50 feet of the surface. Cost of opening up the property preparatory to examining same would be from twelve to fifteen thousand dollars or less, depending upon condition of timbers in the new shaft.

The surface outcrop on this property is one of the best in the District, and despite the fact that the present known ore bodies are exhausted, I believe further development work at depth would prove up more ore. Unwatering by the present owners for the purpose of a thorough examination of the Mine would of course be necessary.

W.V. DeCamp

Following statements of values taken from Boggs Smelter Report, but were from dump material rather than run of Mine:

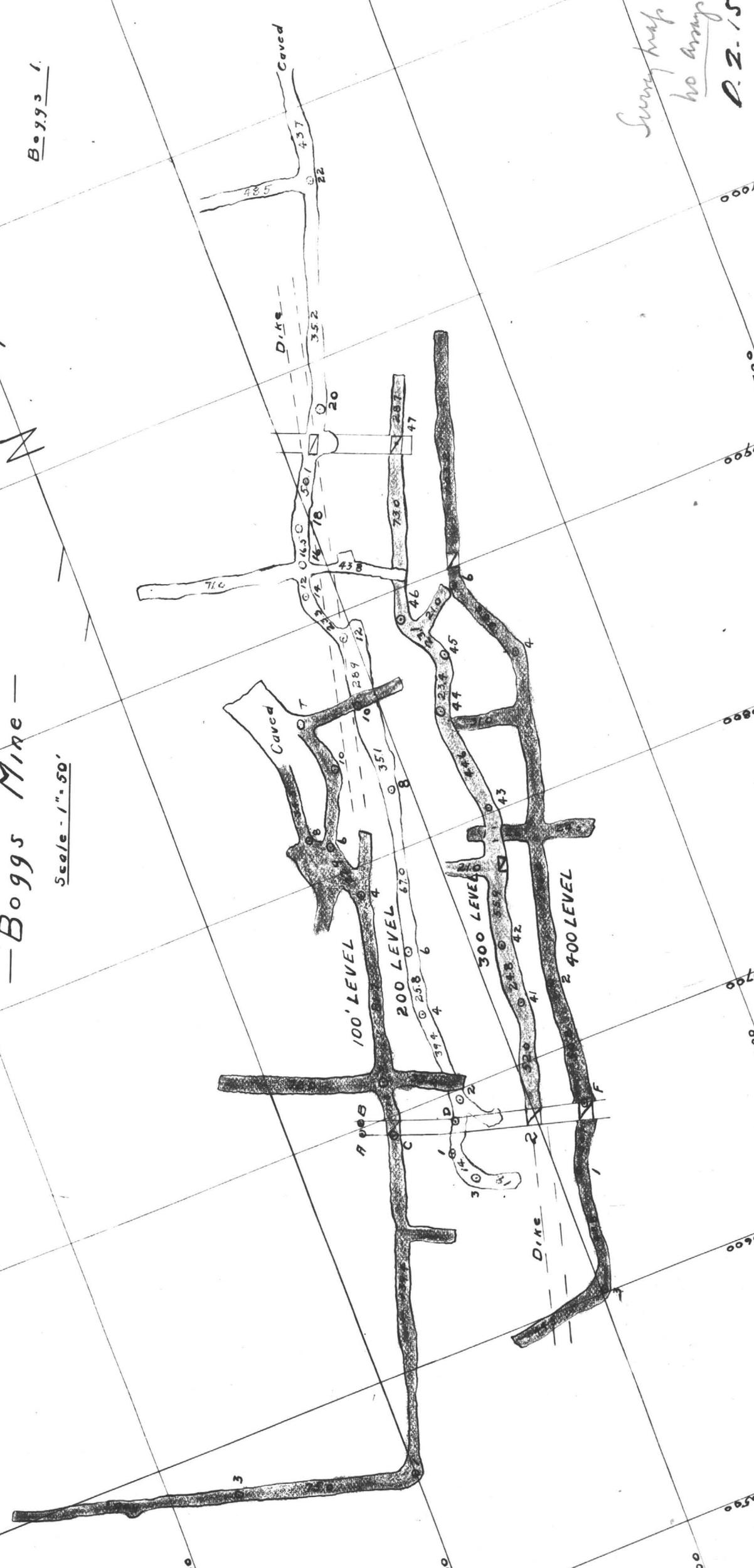
Boggs Dump Shipment

	251.7 Tons
Gold	103.41 oz.
Silver	819.02 oz.
Copper	19,450 Lbs.
Ca &	
Fe	3577 Units
Ins.	1385 Units
	- - - - -
	10.22 Tons
Gold	5.11 oz.
Silver	43.9 oz.
Copper	768.0 Lbs.
Fe &	
Cal.	4220 Lbs.
Ins.	38.24 %

Boggs Mine

Scale - 1" = 50'

Boggs I.



Survey traps only
no arrays
P. 2-15

Handwritten

4900

BOGGS MINE
Longitudinal Section

Boggs 2.

60' Level

100 Level

200 Level

300 Level

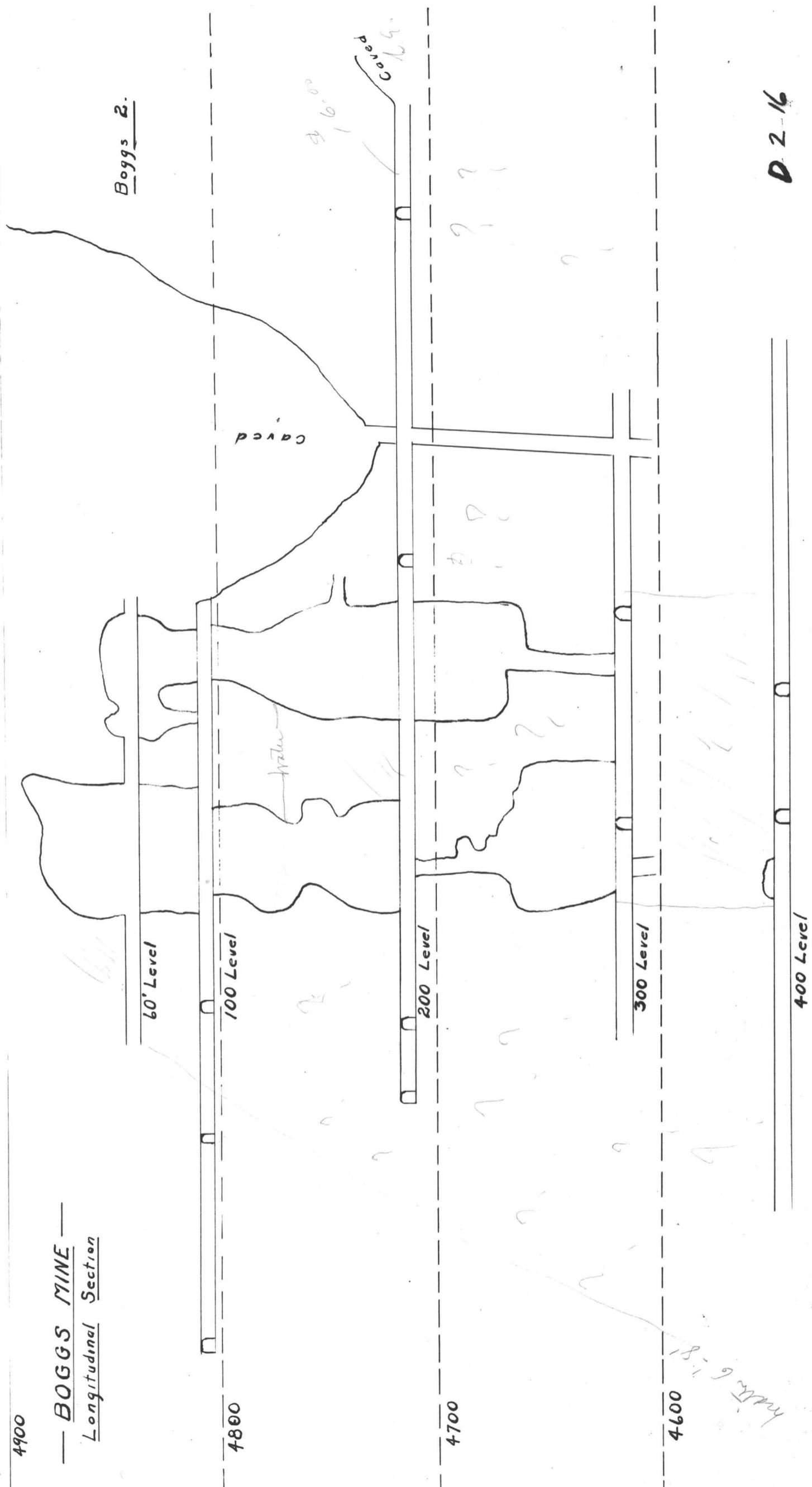
400 Level

4800

4700

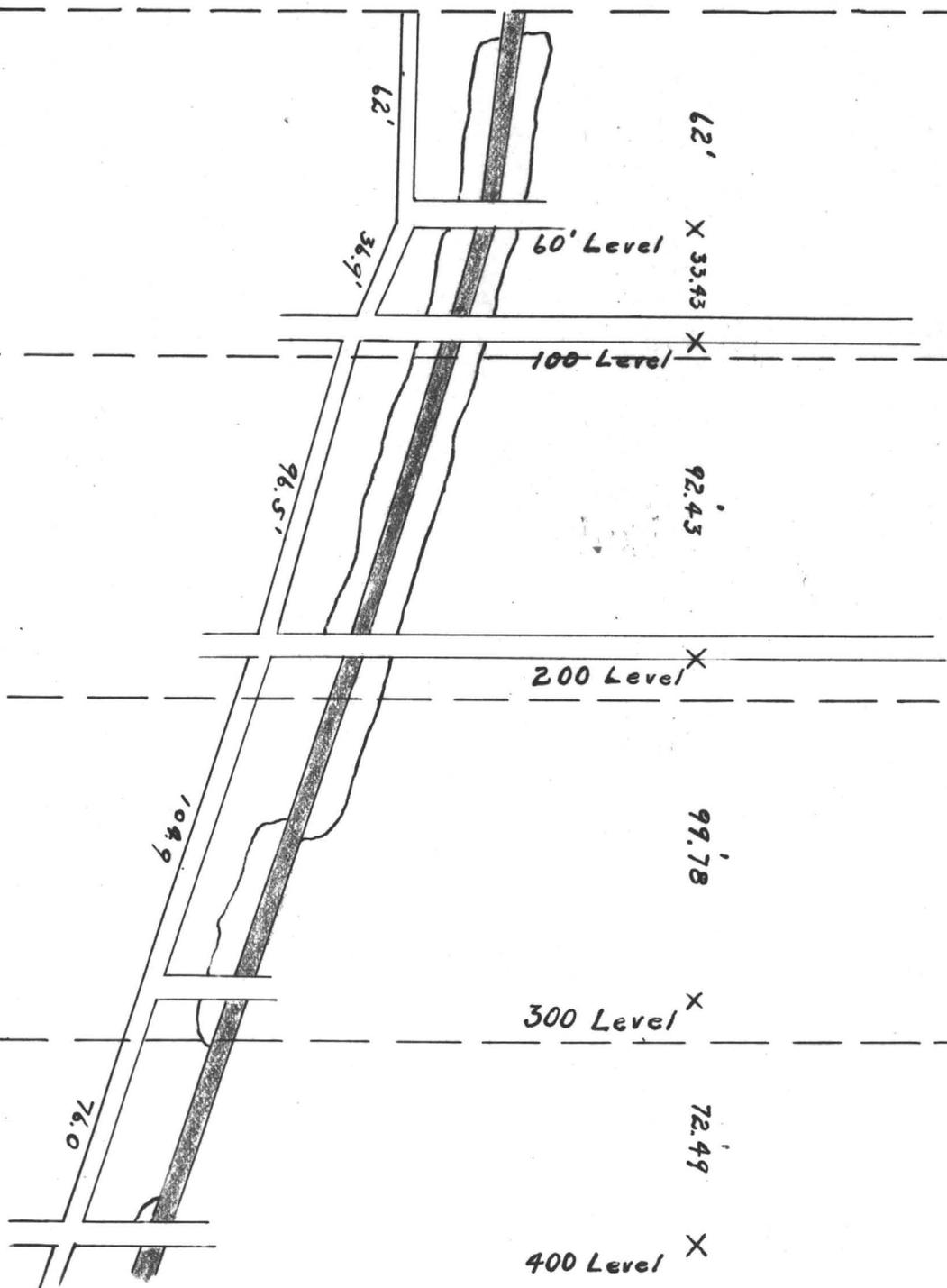
4600

Handwritten
4600



Boggs 3.

D-2-17



BOGGS MINE
Cross Section

NOTES RE BOGGS MINE

By G. M. Colvocoresses.

While I was at Humboldt from 1913 to 1930, many engineers and others familiar with the operation of this mine prior to 1905 and later under the management of the Treadwell Company, spoke highly of the Boggs and its future possibilities, but since the ore was not particularly desirable for our smelter we never made any thorough investigation except as noted in the enclosed copy of the report by DeCamp with three maps attached.

Our old records showed that in 1906 there were shipped to the smelter 215 tons of ore of which the average analysis was as follows:-

Au.	=	0.41 oz. per ton
Ag.	=	3.2 " " "
Cu.	=	2.2% " "
Fe.	=	10.00%
Zn.	=	4.5%
Insol.	=	54.0%
S.	=	4.5%
CaO	=	3.5%

A brief description of the mine is contained in U. S. Geol. Survey Bulletin #782 on pages 139 and 140.

About 1922, DeCamp told me that he had made some further investigation of the Boggs and believed that there was an excellent chance to develop and mine a substantial quantity of \$20.00 ore and he tried to enlist the financial help of some of his personal friends in this effort but I do not think that he made any real progress.

At some later date E. S. Chaffie took a lease on the dump in which, according to his sampling, there were 7000 tons of ore that would carry \$7.00 in gold and silver (at old price of gold) and he shipped about 700 tons but I have no record of its analysis.

In 1933, J. D. Gardner of Mayer took an option on the mine and reopened a portion of it. He claimed to have found some oxidized

ore which carried 0.7 oz. gold, a little silver and 3% copper, but I judge that the tonnage of this material was limited and the mine has been idle for some years past.

I frequently looked over the surface of this property and went part way down one of the shafts while Gardner was working there.

The outcrop and such underground showings as I have seen made a very favorable impression and I believe that the mine has good possibilities,- particularly because of the present value of gold,- and that further development is well justified and holds promise of success.

G. M. Colvocoresses

March 1938.

NOTE RE BOGGS MINE

6/15/39

Al Adams with brother and associate have cleaned out shaft down to first level and have made one shipment of ore which ran about \$12.00 per ton with little sorting. Now arranging hoist and planning to open up first level and hope to continue further down.

On surface and in glory hole over stope the schist is well mineralized for width of 50' or more and the ore zone has been developed ~~xxx~~ underground for length of over 400' while between the high grade shoots many samples ran from \$8.00 up over widths of 20'.

Samples taken from the dump all carried better than \$5.00 per ton and Adams thinks that there might be a very good chance to prove up an ore body over 400' long and over 20' wide (perhaps 50') which would average better than \$5.00 per ton, perhaps \$8 to \$10.

They should know much more about this property in 6 to 8 weeks and will try to see them again in late July or early August.

G.M.C.
Chaffin shipped sorted ore from the dump that ran ⁺ 7.00
at old price of gold & Linnix took sample which ran ⁺ 9.00.
On 200' level it was reported that there was one
shoot 6-8' wide with value ⁺ 16.00 & a lot
lower grade ore

Notes on the Boggs Mine
Big Bug District, Yavapai Co., Ariz.

The Boggs Mine was located about 1880 by a rancher named Boggs who operated the property for some time before selling out to the Phelps Dodge people. The Phelps Dodge Corp. held the property until 1934 when it was purchased by L. E. Hesla and associates, of Prescott, Ariz., the present owners.

The Phelps Dodge people treated their ore in a small smelting plant on Big Bug Creek about three miles from the mine. The oreshoots mined by them were said to average twelve feet in width and carry two oz. gold per ton plus substantial values in silver and copper. It is claimed that ores containing less than one oz. of gold per ton were considered unprofitable. This claim is supported by the large quantity of material shipped from the dumps during the last thirty years. While records are not available for all the shipments those at hand show gold returns up to one half ounce per ton.

The original Boggs shaft was sunk to 300 feet thru a high grade oreshoot reported to be over twenty feet wide. South of this shoot two or three others were mined but none to the north altho it is reported that the 200 level drift north opened four feet of \$12.00 ore (old price) for a length of over 300 feet. This ore was considered too low in grade as were parts of some of the stopes where six or eight feet of low grade were left on the foot-wall.

Upon exhaustion of the known high grade ore bodies the Phelps Dodge people suspended operations and the shaft soon caved as no pillars had been left for its protection. About 1904-06 the Treadwell Co. took a lease on the mine and sank a new shaft to a depth of 400 feet. Their work was largely confined to exploration of the south end and they did not go north of the old Boggs shaft. Little ore was mined. A promising oreshoot was discovered by Frank Giroux (Giroux Assay Office, Mayer, Ariz.) below the 400 foot level. Under lease from the Treadwell Co. he underhanded two cars of ore and reports the shoot gave indications of developing considerable tonnage altho the grade was not attractive at that time (1906). This ore assayed: Au 0.38 oz., Ag 3.2 oz., and Cu 1.5%, and its extraction constituted the last work done.

The Treadwell shaft was also sunk in ore and the ore was stoped so that this shaft is also caved to a depth of sixty feet, the water level.

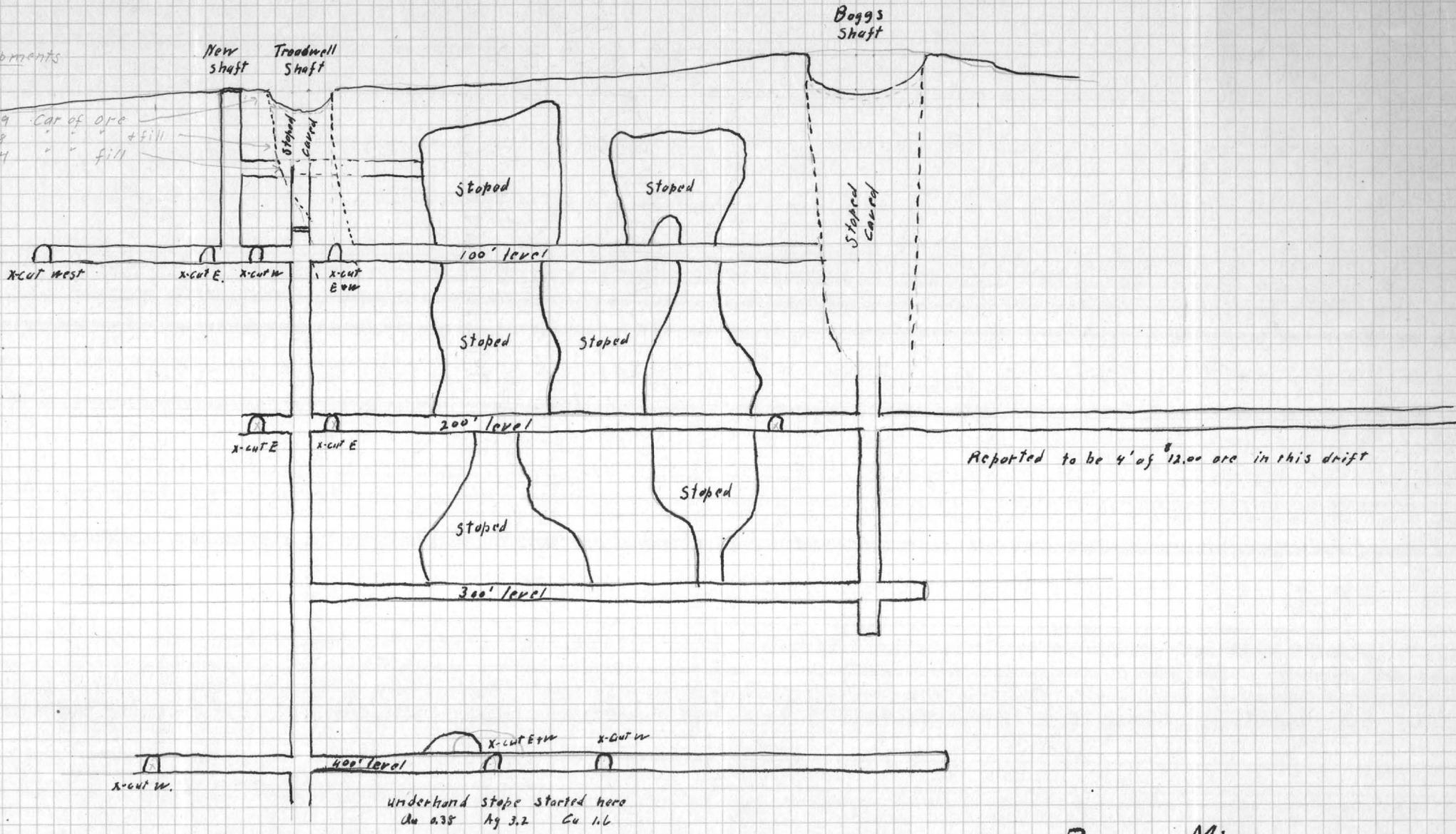
The present operators have reopened the mine by sinking a new shaft to the 100 level just south of the caved Treadwell shaft. This level was pumped out by a jack-pump and the old shaft and station found to be in excellent

Sum 1920
has 10' 10"

condition. The debris from the cave had hung up two sets above the station and a bulkhead has been placed there to prevent further settlement. Conditions at the station give assurance that the shaft will be clear to the bottom. It is proposed to install electric pumping equipment and pump out for examination thru openings now available. A direct connection to the surface can be made later at the most convenient point. The mine makes about 10,000 gallons of water per day so that pumping out is largely a matter of removing stored water.

Recent Shipments

an	ag	cu	
0.35	1.46	0.89	Car of ore
0.50	1.31	0.88	+ fill
0.25	1.97	1.34	fill



Boggs Mine

longitudinal section
Scale 1" = 75'