

REPORT ON THE PROPERTY
Of the
VIRGINIA-LOUISE MINING COMPANY
At Pioche, Nevada,

With Special Reference to Its Relation to the Adjoining
Ore Body Developed on the Prince Mine.

By James Lindsey,
516 Chamber of Commerce, Portland, Oregon.

The Virginia-Louise mining ground (patented) adjoins on the south the Prince Mine. Its location is some three miles southwest of Pioche, Nevada. A railroad is about completed from Pioche to the Prince mine. This grade crosses the common end line of the two properties. Rails should be laid and the road in operation within a few weeks. The Prince Company has entered into a five year contract with one of the smelter companies near Salt Lake to deliver 200 tons per day, shipments to begin in May, 1912. Freight rate is \$1.75 per ton. This is but part of what the mine can produce.

The country rocks of the territory covered by the Prince and Virginia-Louise ground consists of an underlying floor of thick Cambrian quartzite, with every trace of its original sandstone texture completely altered by the intrusion of rhyolitic porphyry dikes, at which time or subsequent thereto fissures were formed through which mineralized solutions rose and deposited ores both in the fissures in quartzite and bedded ore deposits above.

Overlying this massive quartzite floor is a bed of shales several hundred feet thick, with massive limestone rock

on top of the shales which is now observed as the surface rock of large portions of the district.

At the developed portion of the Prince mine, and on the Virginia-Louise ground the surface limestone, the underlying and overlying beds of shale, as well as the 300 feet thick bedded ore-bodies, and lower quartzite floor dips to the southeast at an angle of 15 to 20 degrees or more.

On the Prince ground some 100 yards northwest of the Prince and Virginia-Louise common end line an ore outcrop 100 to 150 feet wide by several hundred feet long is to be seen. At the upper end of this outcrop and about 550 feet from the common end line a shaft has been sunk 590 feet, the last 40 feet of which penetrated the quartzite floor, which is permanent water level. (See map attached.)

From this shaft several thousand feet of workings have been run, all in ore, except where the shaft cut relatively small beds of barren shale. This Prince shaft first cut a solid bed of iron manganese ore carrying a silver, gold and lead value, with some zinc, besides about 35% to 40% excess of iron and manganese over silica. This first bed is 220 feet thick, 100 feet wide at the shaft and widens to over 150 feet in the south cross-cuts which are about midway between the shaft and common end line. This block of ore has been thoroughly proven by drifts, cross-cuts and upraises run at about 50 and 100 foot intervals. Every face and heading is in ore, and every cross-cut discloses the massive limestone walls of this ore-body. This solid face of ore has been proven to be 220 feet thick by 150 wide at the south workings and over 300

feet long with all south headings within about 250 feet from the Prince and Virginia-Louise common end line. Indeed, the major portion of this great body of ore lies south of the Prince shaft and toward the Virginia-Louise ground.

Below the first 220 foot bed occur several more beds of like ore mixed with a higher grade of ore where the lower fissures at times flatten somewhat and follow the bedding planes of the shales. According to that eminent authority, J.E.Spurr, these lower beds total over eighty (80) feet in thickness. These measures rest upon the lower quartzite floor. Coming up through this quartzite floor are two fissure veins mineralized with a high grade of silver, lead and gold values, but at present unprospected on account of being below water level.

The ore reasonably in actual sight that can be measured up on at least three sides is about one million tons (with a vast tonnage of probable ore reasonably assured), from which a profit of \$3 per ton should be made with a fair contract with the smelters, and \$4 per ton on as favorable a contract as the Cave mine has.

The Prince mine has been systematically sampled each successive 5 and 10 feet throughout its entire workings and an ore value of about \$7 to \$8, determined with higher values prevailing in the intermediate ore beds and fissure vein ores. Samples from the lower fissure vein average, according to Mr.Lee, \$38.89 per ton.

"Smelting plants generally estimate ores in stock carrying good iron excess on the following basis:

"Gold at \$20 per ounce;

"98% of the silver;

"Lead at market price;

"Iron and manganese at 10¢ per unit;

"Silica, penalty of 12¢ per unit;

"No smelting charge.

"Upon this basis the net value is \$4,265,155.35." (Lee.)

The two fissure veins coming up through the quartzite, so far as explored, contain a very high grade of silver-lead ore. This ore and the enclosing wall rock is similar in kind to the ores and wall rocks of the Raymond & Ely and Meadow Valley veins at Pioche that produced some twenty million dollars about forty years ago, down to water level, from like veins but 2 to 4 feet wide.

The Prince ores from the fissures in quartzite upon reaching the overlying shale beds both intersected the beds and to some extent followed the bedded incline planes of the lower measures. The two beds of intermediate grade of ore here found are from 3 to 15 feet thick. Nearly all of the development on these two intermediate ore-beds has been to the north of the shaft, while the iron manganese beds as developed practically find their limits to the south of the shaft.

These bedded ore deposits, the shale beds, quartzite floor, as well as the non-mineralized shale beds overlying a part of the 220 foot ore-bed, all dip to the southeast at an angle of up to 20 degrees. All the ore-bodies developed in this great ore-trough occur between massive limestone walls. These limestone walls, the shale beds between which overlie the

south portion of the proven Prince ore-body, all extend over the common end line well down the length of the Virginia-Louise ground.

I am of the opinion that the solutions, from which were deposited by replacement these bedded ore-bodies, had their source from the two fissures in the underlying quartzite or from fissures yet to be discovered by development to the southeast, and I predict that these fissures and veins which, in a measure, intersect at a sharp angle the bedded deposits and follow them rather longitudinally, will be found to have continued the mineralization of this great ore-trough well down on the Virginia-Louise ground, and that the bedded ore-deposits with underlying fissure veins in quartzite will be found by development on the Virginia-Louise.

Moreover, I incline to the opinion that the mineralizing solutions which had their source from fissures followed the incline cleavage planes of the bedded shale upward and not downward. This theory affords a logical reason for continued mineral deposits to the southeast on this proven ore zone.

About 250 feet from the south headings of the Prince workings, which expose commercial ore-bodies aggregating 300 feet thick by half as wide, and at a point about 20 feet south of the common end line of the Prince and Virginia-Louise properties, a two compartment, vertical working shaft is being sunk through the shale capping found between the limestone walls. This shaft was 100 feet deep on April 1, 1912. The contractors now sinking another 100 feet.

Taking the dip of the ore beds in the ore-trough at 20

degrees, the top of the 220 foot ore-bed should be intersected by the Virginia-Louise shaft in about 50 feet more depth, but as the ore trough may dip at a little greater angle the shaft may have to be extended deeper to reach the ore-body.

-----oOo-----

From reports on the Prince mine by eminent authorities, J.E.Spurr (of Spurr & Cox), H.E.Lee (for Vogelstein & Co.), and E.L.Godbe, I quote as follows:

"The several cross-cuts shown in the 200-foot level plan, likewise show the ore deposit is increasing in width as development progresses to the southeast." -- Lee.

"The development work demonstrates a commercial ore-body 310 feet long, with an average width of 110 feet. The surface outcrop corresponds with the demonstrated widths on the 200-level and also indicates the ore body will continue for 300 to 400 feet further to the southeast." -- Lee.

"Here there outcropped at the surface a broad zone of ore, having a general northwest-southeast trend, narrowing to a point at the northwest, and broadening to the southeast, and having a width of from 50 to 150 feet." -- Spurr.

"The outcropping ore-zone noted above extends down to below the second level, or over 200 feet below the surface. It is very likely that it pitches to the southeast, with the general dip of the beds." -- Spurr.

"The fissures in the quartzite have not been explored. If the relations found in similar conditions at Pioche proper, hold good here, and these conditions both at Pioche and here are such as one would logically expect, the fissure-veins in the

quartzite will prove much stronger than in the shale." -- Spurr.

"The ore in the fissure-veins has a quartz gangue, carrying (in the oxidized form which is all that has so far been encountered) argentiferous lead carbonates and silver chlorides. These ores are relatively high in silver, the good ore carrying (according to smelter returns seen) around 100 ounces silver, and 25 to 30 per cent lead, with 35 to 50 per cent insoluble, and 8 to 10 per cent iron. When sulphides are encountered in depth in these veins, they will probably be found to be mixed sulphides of lead, zinc, and iron with a quartz gangue."-- Spurr.

"Limitations of the ore to the southeast have not been determined even approximately." -- Spurr.

"Indicating that the bottom of the ore-trough pitches downward flatly to the southeast, with the inclination of the strata." -- Spurr.

"Should each of these beds (lower ore zones) extend 100 feet away from the main fissures, and extend along the zone, on the dip, for 300 feet, their aggregate thickness of eighty (80) feet would give some 240,000 tons." -- Spurr.

"There is as yet no ore limit in sight, in almost any direction, as development possibilities. The ore-trough and beds must be thoroughly explored. Much also should be done with the fissure veins." -- Spurr.

Estimated profits of the proven low grade tonnage of the Prince mine (900,000 tons blocked) will yield a net profit, according to Godbe, as follows:

On highest smelting rate, net profit per ton.....	\$2.27
On next highest " " " " " "	2.54

On prevailing Cave mine contract rate, on like ores \$4.11

On prevailing Cliff mine contract " " " 2.86

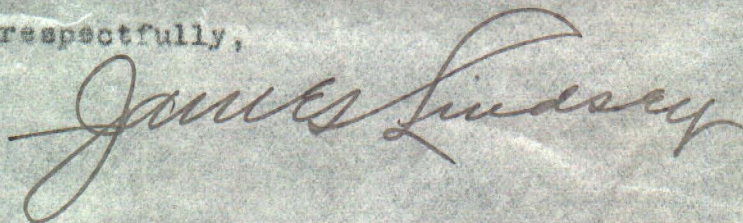
(In the Cliff mine contract gold and lime are
not paid for, which should add 45 cents, or) 3.31

Or, from \$2,000,000 to \$3,700,000, according to the
smelting rate made, to which should be added the profits on
ores known to exist but as yet not blocked out.

All legal matters pertaining to the Virginia-Louise
Company are looked after by the well known mining attorney, Mr.
Charles Lee Hersey, while the development is being directed by
Mr. William Lloyd, the able manager of the Prince mine.

From my recent examination of the surface of the ground,
the Prince mine workings and Virginia-Louise shaft to its pres-
ent depth, the logical conclusion I arrive at is that the shaft
on the Virginia-Louise, if extended in depth, should intersect
the Prince ore-bodies and cut like measures. With these ore-
measures intersected by the Virginia-Louise shaft a long-lived
and highly profitable mine is assured from the low grade bedded
ore deposits, with reasonable assurance that fissure veins will
be encountered below, which fissures can, with considerable
certainty, be depended upon to yield highly profitable ore-
bodies.

Very respectfully,



Portland, Oregon,

April 5, 1912.

When operations were resumed upon the "Old Mendha Shaft" by the Mendha Nevada Mining Company, all efforts were put forth in determining the extent of the North and South fissure.

Development started upon the seventh level by running a drift to the South for a distance of one hundred and sixty feet, the entire distance being on ore with an average width of six feet. Twenty five feet from the shaft stoping commenced and continued for eighty feet in length and forty feet high, with the same width of ore continuing in both faces, ~~approximately~~ about ----- tons of \$30.00 was shipped from this stop. *At a point 100 ft South of shaft* From this stop a winze was sunk *85* feet deep, connecting with the Eight hundred foot level, all in ~~the~~ same character of ore as taken out of the stop. (On the extreme Southerly end of this stop a drift *to the east* is being run ~~xxxxxxxxxxxxxxxx~~ showing *4* feet of \$12 ^{*Pb 14 Ag 30 Au.*} ore, ~~xxxx~~ reached the drift has ~~xxxxxxxx~~ distance of ---- feet.)

From the Eighth Level a ~~drift~~ *cross cut* was run to the South a distance of sixty five feet to where it intersects the ore body, the drift was continued upon ore for a distance of *50* feet, *connecting with 700 winze* at a point about ---feet *the drift is continued on ore in SE direction 70 ft to 3 ft ore* from the intersection of the ore body a raise has been run *70* feet connecting with the seventh level, exposing *4*-feet of ore on both sides of the raise. Between the Seventh level and the Eighth level a block of ore has been developed ~~xxxxxxxxxxxxxxxx~~ on four sides, with an average width of ---feet. *70x70x8 ft. 8 Cub ft to ton = 2450 lbs*

blocked on 4 sides

Drift continued from raise to South a distance of 40 ft still on ore thence 55 ft to South showing very little ore fault occurring and no further development being done.

PRINCE CONSOLIDATED MINING & SMELTING CO.
MINES AT PIOCHE, NEVADA

WILLIAM LLOYD
SUPERINTENDENT

Winge in Tunnel connecting with 5th level

PIOCHE, NEVADA

5th Level drifting is done for strikes of vein E & W
The West drift was laid out for
for a distance of 200 ft and stopped for fifty ft above
drift back of slope exposing two ft of 20' twenty
Col. ore. all virgin ground above this slope to tunnel level.
4th Level. All development at this point is confined to the
N. & S. from = bedded vein, drifting ^{30 ft N.} south a distance
of 100 ft. Average width of ore 6 ft. At a point fifty ft
S. of shaft a winge is sunk connecting with the eighth level
Average width of ore five ft.

8th Level. All development to the South West. Went 50 ft that
intersects the ore body and connections with ^{7th level} winge. Then drifts
S. on ore for distance of 100 ft all in good grade ore and
width five ft, which gives an estimate from the 7 to 8th
level blocked on three sides $100 \times 100 \times 5$ ft wide = allowing 8
cubic ft to the ton will give an estimate of 6,250 tons.

At a point fifty ft S. of shaft, a winge is sunk to the
9th level all in ore average width 5 ft.

850 Level

2

At a point about 120 ft South of the shaft on the 8th Level a winze has been sunk 65 feet to the 850 level which is an intermediate level, this winze was sunk on ore an average width of 4 ft on both sides. From ~~this~~ bottom of this winze a drift is run to the South 45 feet with some ore showing and continued S. Easterly 55 feet with of ore ~~on both~~ about 2 feet. At a point 45 feet south of the bottom of the winze first mentioned another winze was sunk 65 feet connecting with the 900 ft level an average width of 3 ft of ore on both sides of this winze.

175
Item 5

Salt Lake City, Utah, Mar. 5th, 1909.

Mr. H. A. Harvey,

Salt Lake City, Utah.

Dear Mr. Harvey:-

I have just completed an examination of the Prince Consolidated property at Pioche, Nevada, and my conclusions, both as to the mine itself and Mr. Godbe's report on same, copy of which I hand you herewith, are embodied in this letter.

It is evident from conditions observed on the ground, not only in the Prince Consolidated mine, but in several of the other leading properties of the district, to which I had access for the purpose of investigating geological conditions, that Mr. Godbe's statement as to all of the essential features of the proposition are in accordance with the facts.

Since the report referred to was made additional drifting on veins Nos. 1 and 2, at the 300 and 400 ft. levels, has demonstrated that the ore bodies in these veins are much longer than the work done at the time the report was made would indicate. In fact, these fissures seem to be ore bearing to a greater or less extent throughout, although as is usual in such cases the higher values are contained in shoots or lenses. This new work also indicates the presence of an additional bedded vein beside the one mentioned in the report, and the cross-cut on the 550 ft. level had just reached vein No. 1 at the time of my visit to the property; the vein where cut at this level showed from two to three feet of high grade silver-lead-gold ore, sample of which assayed in accordance with the attached assay certificate. On the 400 ft. level a fissure has just been developed that crosses vein No. 1 at right angles. The drift on this cross vein shows about 12

inches of high grade ore of the same character as that produced from the other fissure. It would appear that the whole formation on the footwall side of the low grade ore body contains a net work of fissures and bedded veins, all of which are ore bearing to a greater or less extent; the hanging wall of this ore body has not been explored.

No development of any consequence has been done on the low grade ore body in addition to that mentioned in Mr. Godbe's report. A sample taken from about 2000 tons of this material on the dump at the Prince Consolidated shaft, shows values in accordance with the attached assay certificate. This ore body is evidently a metasomatic replacement of the limestone and lime-shale formation along a shear zone or fault fissure cutting the bedding planes of these rocks at right angles. From the fact that it contains ores of galena and shows lower silver-lead values on the foot wall side, it seems probable that this ore body was originally deposited as a sulphide, and has been oxidized and impoverished by descending waters. For that reason, I believe that, while it may not be as large at depth, as in the upper levels, yet there is every reason to believe that it will contain large masses of high grade silver-lead ore due to secondary enrichments whereas the conditions favor this deposition of ores of this character. A favorable condition of this sort would be present either at water level or on top of the quartzite formation, which undoubtedly underlies the limestone and shale formation.

The large oxidized ore body contains some inclusions of hard lime on the hanging wall side. The hanging wall where developed appears to be irregular; the foot wall is much better defined. On account of its great width and firm walls, I believe this ore body could be mined by open cut work to a depth of at least 150 feet, and that below that level the caving system or some of the other mining methods involving

the use of little timber will be practicable.

It is evident that the earning capacity of this property is largely dependent on the tonnage of low grade fluxing ore for which a market can be obtained. On account of the desirable nature of this ore and the limited supply of material of this character in the Utah smelting field compared with the rapidly increasing tonnage of the various smelting plants now in operation in this region, there is, I think, at the present time a market for not less than 600 tons per day of this class of material. The question of a market does not figure in connection with the ore found in the fissures and bedded veins, as there is always a market for the comparatively small tonnage of these higher grade ores that is available. On present developments, 20 tons per day of this material could easily be produced.

I will assume that the tailings now on this property will be disposed of in accordance with Method No 1 as set forth in Mr. Godbe's report, which consists of separating slimes from sands, shipping the former to lead smelters as ore in the form of filter press cakes, and the latter to the copper smelters for converter lining. It would appear that there would be a market for a large tonnage of the slime filter press cakes on account of their comparatively high content in silver, gold and lead. I should say that the limiting condition as to the tonnage in handling these tailings as suggested would be the market for sands as converter lining; assuming this at 100 tons per day, the per diem production and profit from this proposition would be as follows, profits per ton being taken from Mr. Godbe's report:

600 tons low grade fluxing ore @ 3.25 per ton	\$1,950.00
20 tons high grade smelting ore from fissures and bedded veins @ 36.00 per ton	720.00
100 tons slimes @ 9.00 per ton	900.00
100 tons sands at 3.00 per ton	300.00
Total	<hr/> \$ 3,870.00

Assuming 300 working days per year to allow for accidents and shut downs, the net output per annum during the first year of operation would be \$1,161,000.00. At this rate of production the present ore reserve in the fissures and bedded veins will be exhausted in two and one-half years and the tailings in three years. It is very probable that further development on the fissures, particularly in the vicinity of the quartzite, will be of such a character as to make it possible to keep up a production of at least 20 tons per day from them during the life of the property. By the time the tailings dump is exhausted there should be a sufficient increase in the market for low grade fluxing ore to make it possible to maintain the annual net profit at approximately the amount above estimated, by increasing the production of the ore of that character.

On a basis of Mr. Godbe's estimate as to the tonnage of low grade material, which is as he states one-half of the probable tonnage developed, the annual net profit as above estimated should be maintained for something over seven years. With interest charges at 8% and upon the assumption that it will take seven years to realize on values now developed, which he estimates at \$8,060,000.00, the present value of this proposition is \$6,296,953, which is practically \$6.30 per share on its capital stock for one million shares. This estimate of course makes now allowance for future development nor for probable tonnage above the 400 foot level in excess of two million tons estimated in Mr. Godbe's report.

Notwithstanding the fact that the tonnage already developed in this property is far in excess of the total production of many mines that have been considered notable, yet the proposition today from the standpoint of development is really in its infancy. I have no hesitation in saying that it is by far the best property for the amount

of work so far done that I have ever seen, and the conditions promise a very great increase in the demonstrated value of the property by future development. I believe that it will make one of the few really great mines of the world.

Yours very truly,

(Signed) Alden H. Brown.

P. S. I hand you herewith sketch showing vein system in this property.

Pioche Commercial Club
Pioche, Nevada

February 25, 1914.

Mr. Charles Shea,
Portland, Oregon.

Dear Sir:-

Have your inquiry in regard to the Price claim, patented.

In our opinion, this claim is one of merit. It covers the ground formerly embraced in the Alps, which in the early '70s had a dividend record of over \$500,000. It is on an extension of the Yuba dike which is generally supposed to be the source of mineralization of the Pioche mines, and is about one mile East of the old Raymond & Ely. It has a good cross fissure, and ore has invariably been found at or near the intersection of the Yuba dike and a cross fissure. The values in the early days were lead-silver, with a percentage of gold unusually high for dike ores. The entire production was from above the 300 foot level; about that depth the ore body was faulted and lost. It is extremely probable that a reasonable outlay of money will result in locating the continuation of the ore shoot; then, with a wagon haul of only one mile to the railroad, as compared with the hardships of the early days, there is no reason why the dividends could not be doubled with the same production of ore.

Very truly yours,

PIOCHE COMMERCIAL CLUB,

A. L. Scott

Secy.

N.P. IPSON,
PRESIDENT

GEO. B. GREENWOOD,
VICE PRES.

M. L. LEE,
CASHIER

Bank of Pioche

INCORPORATED
Capital \$ 25,000.00
PIOCHE, NEVADA

Feb. 25th 1914.

175
Item 5

Mr. C. S. Shea,

Portland, Ore.

Dear Sir:

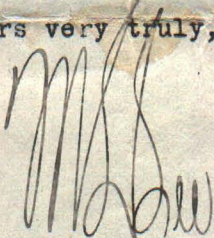
Answering your inquiry regarding the property of the Old Alps Mining Company, now owned by Messrs Cook, Lloyd, Price, et al beg to report as follows:

That the Alps mine was operated in the early days of this camp, about 1873. The perpendicular shaft is about three hundred feet deep. Crosscuts run from the one hundred, two hundred and three hundred feet levels. A substantial gallows frame still remains over the shaft.

The Pioche Record, a paper printed in this camp at the time the old company was working, records a production of something over \$500,000. The character of the ore was a rich silver-lead and carrying good values in gold.

The property, unquestionably, has considerable merit and with the present means of transportation it is a desirable mine.

Yours very truly,



Cashier.

TELEPHONE WASATCH 1199

Con. Serial 45218

ASSAY CERTIFICATE

UNION ASSAY OFFICE, INC.

Mine Alex Lloyd

J. V. SADLER, President
A. C. SELBY, Vice-Pres. & Treas.
A. C. SELBY, Jr., Secretary

Salt Lake City, Utah
Nov. 12, 1940

RESULTS PER TON OF 2000 POUNDS

LOT	CLASS	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent.	INSOL. Per Cent.	ZINC Per Cent.	SULPHUR Per Cent.	SPEISS Per Cent.	IRON Per Cent.	LIME Per Cent.	Per Cent.
#14		0.210	12.0	8.0		40.8	1.2	0.3		16.5		an = 6.52 ag = 8.02 pt = 1.05
Murray P.		0.200	11.7	7.7		41.0	2.3	0.6		15.8		15.59
	2	410	23.7	15.7		81.8				32.3		3.25
		205	11.85	7.85		40.9				16.15		12.34 2.20 10.14 6.0 9.55

Remarks

Sampled By U. O. S. Co.

Charges \$ 5.00



TELEPHONE WASATCH 1199

Con. Serial. 33251

ASSAY CERTIFICATE

UNION ASSAY OFFICE, INC.

J. V. SADLER, President

A. C. SELBY, Vice-Pres. & Treas.

A. C. SELBY, Jr., Secretary

Mine Alex Lloyd

Salt Lake City, Utah

May 9, 1939

RESULTS PER TON OF 2000 POUNDS

LOT	CLASS	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent.	INSOL. Per Cent.	ZINC Per Cent.	SULPHUR Per Cent.	SPEISS Per Cent.	IRON Per Cent.	LIME Per Cent.	Per Cent.
6		0.315	7.8	10.0								
A. S. & R.		0.300	7.7	9.8								

Remarks

Sampled By Murray Plant

Charges \$



TELEPHONE WASATCH 1199

Con. Serial.....29609

ASSAY CERTIFICATE

UNION ASSAY OFFICE, INC.

J. V. SADLER, President

A. C. SELBY, Vice-Pres. & Treas.

A. C. SELBY, Jr., Secretary

Mine Alex Lloyd

Salt Lake City, Utah

Oct. 6, 1938

RESULTS PER TON OF 2000 POUNDS

LOT	CLASS	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent.	INSOL. Per Cent.	ZINC Per Cent.	SULPHUR Per Cent.	SPEISS Per Cent.	IRON Per Cent.	LIME Per Cent.	Per Cent.
1		0.240	7.65	7.9								
A. S. & R.		0.230	7.8	7.8								
		21470	15.45	15.7								
		.235	7.725	7.85								

Remarks.....

Sampled By Murray Plant

Charges \$.....



TELEPHONE WASATCH 1199

Con. Serial 31173

ASSAY CERTIFICATE

UNION ASSAY OFFICE, INC.

J. V. SADLER, President

A. C. SELBY, Vice-Pres. & Treas.

A. C. SELBY, Jr., Secretary

Mine Alexander Lloyd

Salt Lake City, Utah

Dec. 29, 1938

RESULTS PER TON OF 2000 POUNDS

LOT	CLASS	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent.	INSOL. Per Cent.	ZINC Per Cent.	SULPHUR Per Cent.	SPEISS Per Cent.	IRON Per Cent.	LIME Per Cent.	Per Cent.
3		0.240	7.6	8.8								
A. S. & R.		0.240	7.4	8.8								

Remarks

Sampled By Murray Plant

Charges \$

TELEPHONE WASATCH 1199

Con. Serial 33159

ASSAY CERTIFICATE

UNION ASSAY OFFICE, INC.

J. V. SADLER, President

A. C. SELBY, Vice-Pres. & Treas.

A. C. SELBY, Jr., Secretary

Mine Alex Lloyd

Salt Lake City, Utah

May 4, 1939

RESULTS PER TON OF 2000 POUNDS

LOT	CLASS	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent.	INSOL. Per Cent.	ZINC Per Cent.	SULPHUR Per Cent.	SPEISS Per Cent.	IRON Per Cent.	LIME Per Cent.	Per Cent.
5		0.490	11.2	11.5								
A. S. & R.		0.480	11.1	11.4								

Remarks

Sampled By Murray Plant

Charges \$



AMERICAN SMELTING AND REFINING COMPANY

MURRAY PLANT

SALT LAKE CITY, UTAH, May 5, 1939

BOUGHT OF Alex Lloyd

MINE Mendha

LOT No. 5

(Final Settlement)

RECEIVED 5-1-39

SAMPLED BY MP

CLASS

crude

SHIPPING POINT Pioche, Nevada

QUOTATIONS GOLD 34.9125 SILVER .64125 LEAD 4.75 less 1.5625 COPPER

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	LEAD PER CENT	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
A. S. & R. CO.	.48	11.1	11.4	.1	43.4	1.5	.4		15.7	4.6
Union	.49	11.2	11.5							
UMPIRE										
SETTLEMENT ASSAY	.485	11.15	11.45	.1	43.4	1.5	.4		15.7	4.6

CAR INITIAL	NUMBER	WEIGHT	VALUES PER TON				DEDUCTIONS PER TON			
UCR	20637		GOLD	@	31.81825	15.43	BASE			2.00
			SILVER, 95%	@	.64125	6.79	under 25% lead			1.20
			LEAD, LESS 1.5, 90%	@	.6375	5.71	Labor 8/24/38			.28
			COPPER, LESS	@						
						27.93				
							INSOLUBLE	% @		4.34
							ZINC	% @		
							SULPHUR	% @		
							DEBIT			7.82
							IRON	% @		.94
							TOTAL DEDUCTIONS			6.88
WEIGHT OF LOT										
WEIGHT OF	SACKS									
WET WEIGHT		77120								
LESS MOISTURE 6.1 %		4704								
DRY WEIGHT		72416								
			LESS TOTAL DEDUCTIONS	Max.	6.50					
				@	\$	21.43	PER TON	\$	775.94	

FREIGHT ADVANCED 80M Min @ 3.03 121.20

ADVANCES

SAMPLING

UMPIRE

ASSAYING

3.00

124.20

Rates, except on contracts, subject to change without notice.
Buyers assays govern if seller fails to make or submit assays
prior to acceptance of payment.

NET PROCEEDS

651.74

NM MAY

Lot No.

1

Flocks, Rev.

COPPER

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	LEAD PER CENT	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	Sb	CaO
A. S. & R. CO.	.23	7.8	7.8	.1	34.8	1.0	-	.4	23.0	.4	5.6
Union	.24	7.65	7.9								
UMPIRE											
SETTLEMENT ASSAY	.235	7.725	7.85	.1	34.8	1.0		.4	23.0	.4	5.6

CAR INITIAL	NUMBER	WEIGHT	VALUES PER TON			DEDUCTIONS PER TON		
UP	62849		GOLD	@	31.81825	7.48	BASE	3.00
			SILVER, 95% Min...5	@	.64125	4.63	labor 8-24-38	.16
			LEAD, LESS 50%	@	.3075	1.21		
			COPPER, LESS	@		-		
						13.32		
							INSOLUBLE	% @
							ZINC	% @
							SULPHUR	% @
							DEBIT	
WEIGHT OF LOT							IRON	% @
WEIGHT OF	SACKS						TOTAL DEDUCTIONS	3.16
WET WEIGHT		114830						
LESS MOISTURE 6.0 %		6892	LESS TOTAL DEDUCTIONS			3.16		

548.58

113.73

116.73

NET PROCEEDS

83.15

348.70

OCT.

AMERICAN SMELTING AND REFINING COMPANY

MURRAY PLANT

SALT LAKE CITY, UTAH, Nov. 26, 1938

BOUGHT OF Alex Lloyd

MINE Mendha

LOT No. 2

RECEIVED 11-16-38

SAMPLED BY MP

CLASS

crude

SHIPPING POINT Pioche, Nev.

QUOTATIONS GOLD 34.9125 SILVER .64125 LEAD 5.10 less 1.5625 COPPER

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	LEAD PER CENT	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
A. S. & R. CO.	.47	15.1	15.4	.1	28.8	1.0	.4		20.7	4.6
Union	.485	15.7	15.8							
UMPIRE Cowan		15.5225								
SETTLEMENT ASSAY	.4775	15.5225	15.6	.1	28.8	1.0	.4		20.7	4.6

CAR INITIAL	NUMBER	WEIGHT	VALUES PER TON				DEDUCTIONS PER TON			
UCR	21745		GOLD	@	31.81825	15.19	BASE			2.00
			SILVER, 95%	@	.64125	9.46	Under 25% lead			.87
			LEAD, LESS 1.5, 90%	@	.7075	8.98	Labor 8-24-38			.28
			COPPER, LESS	@		-				
						33.63				
							INSOLUBLE	% @		2.88
							ZINC	% @		
							SULPHUR	% @		
							DEBIT			6.03
							IRON	% @		1.24
							TOTAL DEDUCTIONS			4.79
WEIGHT OF LOT										
WEIGHT OF	SACKS									
WET WEIGHT		77000								
LESS MOISTURE 4.3 %		3312								
DRY WEIGHT		73688								
			LESS TOTAL DEDUCTIONS			4.79				
				@	\$	28.84	PER TON	\$	1062.58	

Gold quotation is final providing
average gold quotation for Nov., 1938
does not change from \$34.9125 as used

FREIGHT ADVANCED @ 3.58 137.83
less pd by Pioche Mines Co. 16.63 121.20

ADVANCES

SAMPLING

UMPIRE

ASSAYING

3.00 124.20

938.38

116.43

Rates, except on contracts, subject to change without notice.
Buyers assays govern if seller fails to make or submit assays
prior to acceptance of payment.

held a/c return of silver affidavit - - - - -

NET PROCEEDS

\$ 821.95

MEM NOV.

AMERICAN SMELTING AND REFINING COMPANY

MURRAY PLANT

SALT LAKE CITY, UTAH, Dec. 30, 1938

BOUGHT OF Alex Lloyd MINE Mendha LOT No. 3RECEIVED 12-23-38 SAMPLED BY MP CLASS crude SHIPPING POINT Pioche, Nev.QUOTATIONS GOLD 34.9125 SILVER .64125 LEAD 4.85 less 1.5625 COPPER

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	LEAD PER CENT	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
A. S. & R. CO.	.24	7.4	8.8	.1	33.8	1.1	.5		21.5	6.0
Union	.24	7.6	8.8							
UMPIRE										
SETTLEMENT ASSAY	.24	7.5	8.8	.1	33.8	1.1	.5		21.5	6.0

CAR INITIAL	NUMBER	WEIGHT	VALUES PER TON				DEDUCTIONS PER TON			
UP	62641		GOLD	@	31.81825	7.64	BASE			2.00
			SILVER, 95% Min..5	@	.64125	4.49	Under 25% lead			1.42
			LEAD, LESS 1.5, 90%	@	.6575	4.32	Labor 8-24-38			.28
			COPPER, LESS	@						
						16.45				
							INSOLUBLE	% @		3.38
							ZINC	% @		
							SULPHUR	% @		
							DEBIT			7.08
							CaO%			.30
							IRON	% @		1.29
							TOTAL DEDUCTIONS			5.49

WEIGHT OF LOT

WEIGHT OF _____ SACKS

WET WEIGHT 133560LESS MOISTURE 5.2 % 6946

LESS TOTAL DEDUCTIONS

DRY WEIGHT

126614@ \$ 10.96PER TON \$ 693.84

FREIGHT ADVANCED

@ 2.20146.92

ADVANCES

SAMPLING

UMPIRE

ASSAYING

3.00 149.92543.9294.96\$448.96

Rates, except on contracts, subject to change without notice.
Buyers assays govern if seller fails to make or submit assays
prior to acceptance of payment.

held a/c return of silver affidavit - - - - -

NET PROCEEDS

MEM DEC.

AMERICAN SMELTING AND REFINING COMPANY

MURRAY PLANT

SALT LAKE CITY, UTAH,

April 15, 1939

BOUGHT OF Alex Lloyd

MINE

LOT No. 4

RECEIVED 4-12-39

SAMPLED BY MP

CLASS crude

SHIPPING POINT Pioche, Nev.

QUOTATIONS GOLD 34.9125 SILVER .64125 LEAD 4.767 less 1.5625 COPPER

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	LEAD PER CENT	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO	
A. S. & R. CO.	.335	13.9	13.4	.1	37.0	1.1	2.0		20.4	3.0	
Union	.345	14.0	13.7								
UMPIRE											
SETTLEMENT ASSAY	.34	13.95	13.55	.1	37.0	1.1	2.0		20.4	3.0	

CAR INITIAL	NUMBER	WEIGHT	VALUES PER TON				DEDUCTIONS PER TON			
UCR	21770		GOLD	@	31.81825	10.82	BASE		2.00	
			SILVER, 95%	@	.64125	8.50	Under 30% lead		1.80	
			LEAD, LESS 1.5, 90%	@	.6409	6.95	labor 8-24-38		.28	
			COPPER, LESS	@						
						26.27				
							INSOLUBLE	% @	3.70	
							ZINC	% @		
							SULPHUR	% @		
							DEBIT		7.78	
							IRON	% @	1.22	
							TOTAL DEDUCTIONS		6.56	
WEIGHT OF LOT										
WEIGHT OF	SACKS									
WET WEIGHT		97220								
LESS MOISTURE 3.4 %		3306								
DRY WEIGHT		93914								

Gold quotation is final providing
average gold quotation for April, 1939,
does not change from \$34.9125 as used

LESS TOTAL DEDUCTIONS

6.56

@

\$

19.71

PER TON

\$ 925.52

FREIGHT ADVANCED

@ 2.75

133.68

ADVANCES

SAMPLING

UMPIRE

ASSAYING

3.00

136.68

Rates, except on contracts, subject to change without notice.
Buyers assays govern if seller fails to make or submit assays
prior to acceptance of payment.

held a/c return of silver affidavit

NET PROCEEDS

788.84

132.89

655.95

MEM APRIL

AMERICAN SMELTING AND REFINING COMPANY

GARFIELD PLANT

SALT LAKE CITY, UTAH,

May 10, 1939

BOUGHT OF Alex Lloyd

MINE

Mendha

LOT No.

6

RECEIVED 5-3-39

SAMPLED BY

MP

CLASS crude

SHIPPING POINT

Pioche, Nev.

QUOTATIONS

GOLD 34.9125

SILVER .64125

LEAD 4.75 less 1.5625

COPPER

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	LEAD PER CENT	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO	
A. S. & R. CO. MP	.3	7.7	9.8	.1	47.8	1.8	.6		20.6	1.2	
Union	.315	7.8	10.0								
UMPIRE											
SETTLEMENT ASSAY	.3075	7.75	9.9	.1	47.8	1.8	.6		20.6	1.2	

CAR INITIAL	NUMBER	WEIGHT	VALUES PER TON				DEDUCTIONS PER TON			
UCR	20050		GOLD	@	31.81825	9.78	BASE			2.00
			SILVER, 95% Min..5	@	.64125	4.65	Under 25% lead			1.33
			LEAD, LESS 1.5, 90%	@	.6375	4.82				
			COPPER, LESS	@						
						19.25	LABOR ADJUSTMENT 8-24-38		.28	
							INSOLUBLE	% @	4.78	
							ZINC	% @		
							SULPHUR	% @		
							DEBIT		8.39	
							IRON	% @	1.24	
							TOTAL DEDUCTIONS		7.15	

WEIGHT OF LOT

WEIGHT OF SACKS

WET WEIGHT 63900

LESS MOISTURE 3.0 % 1918

DRY WEIGHT 61982

Gold quotation is final providing
average gold quotation for May, 1939,
does not change from \$34.9125 as used

LESS TOTAL DEDUCTIONS

6.50 Max.

@ \$ 12.75 PER TON \$ 395.14

80000 Min. @ 4.21 99.20

FREIGHT ADVANCED

ADVANCES

SAMPLING

UMPIRE

ASSAYING

3.00 102.20

292.94

Rates, except on contracts, subject to change without notice.
Buyers assays govern if seller fails to make or submit assays
prior to acceptance of payment.

held a/c return of silver affidavit

48.04

NET PROCEEDS

\$ 244.90

MEM MAY

AMERICAN SMELTING AND REFINING COMPANY

MURRAY PLANT

SALT LAKE CITY, UTAH, May 6, 1940

BOUGHT OF Alex Lloyd MINE Mendha LOT No. 8RECEIVED 5-4-40 SAMPLED BY UOS CLASS crude SHIPPING POINT Pioche, Nev.QUOTATIONS GOLD 34.9125 SILVER .70625 LEAD 5.10 less 1.5625 COPPER

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	LEAD PER CENT	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO	Sh
A. S. & R. CO.	.27	10.4	10.7	.1	32.8	1.2	.3	.4	15.1	8.3	.1
Union	.275	10.5	10.8		32.0	.8	.3		15.6		
UMPIRE											
SETTLEMENT ASSAY	.2725	10.45	10.75	.1	32.4	1.0	.3	.4	15.35	8.3	.1

CAR INITIAL	NUMBER	WEIGHT	VALUES PER TON				DEDUCTIONS PER TON			
UCR	21123		GOLD	@	31.81825	8.67	BASE			2.00
			SILVER, 95%	@	.70625	7.01	Under 25% lead			1.26
			LEAD, LESS	1.5, 90%	.7075	5.89				
			COPPER, LESS	@						
						21.57	LABOR ADJUSTMENT			.44
							INSOLUBLE	% @		3.24
							ZINC	% @		
							SULPHUR	% @		
							DEBIT			6.94
							CaO % @			.42
							IRON	% @		.92
							TOTAL DEDUCTIONS			5.60

Gold quotation is final providing average gold quotation for calendar month does not change from \$34.9125 as used

WEIGHT OF LOT _____
 WEIGHT OF _____ SACKS _____
 WET WEIGHT 104680
 LESS MOISTURE 1.9 % 1988
 LESS TOTAL DEDUCTIONS 5.60
 DRY WEIGHT 102692

_____ @ \$ 15.97 PER TON \$ 820.00
 FREIGHT ADVANCED @ 2.48 129.80
 ADVANCES _____
 SAMPLING 31.40
 UMPIRE _____
 ASSAYING 5.00 166.20

Rates, except on contracts, subject to change without notice.
 Buyers assays govern if seller fails to make or submit assays
 prior to acceptance of payment.

MEM MAY

held a/c return of AG affidavit

NET PROCEEDS

653.80
182.79
\$ 471.01

AMERICAN SMELTING AND REFINING COMPANY

GARFIELD PLANT

SALT LAKE CITY, UTAH, Aug. 14, 1940BOUGHT OF Alex LloydMINE MendhaLOT No. 9RECEIVED 8-14-40SAMPLED BY UOSCLASS crudeSHIPPING POINT Pioche, Nev.

QUOTATIONS

GOLD 34.9125 SILVER .70625 LEAD 4.75 less 1.5625 COPPER

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	LEAD PER CENT	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
A. S. & R. CO. <u>MP</u>	<u>.135</u>	<u>6.6</u>	<u>9.0</u>	<u>.2</u>	<u>53.6</u>	<u>1.1</u>	<u>.3</u>		<u>16.8</u>	<u>2.3</u>
<u>Union</u>	<u>.14</u>	<u>7.0</u>	<u>9.2</u>							
UMPIRE										
SETTLEMENT ASSAY	<u>.1375</u>	<u>6.8</u>	<u>9.1</u>	<u>.2</u>	<u>53.6</u>	<u>1.1</u>	<u>.3</u>		<u>16.8</u>	<u>2.3</u>

CAR INITIAL	NUMBER	WEIGHT	VALUES PER TON				DEDUCTIONS PER TON			
<u>UP</u>	<u>62332</u>		GOLD	<u>31.81825</u>	<u>4.38</u>		BASE			
<u>X UP</u>	<u>62089</u>		SILVER, 95% <u>Min..5</u>	<u>.70625</u>	<u>4.45</u>					
			LEAD, LESS <u>1.5, 90%</u>	<u>.6375</u>	<u>4.36</u>					
			COPPER, LESS							
					<u>13.19</u>		LABOR ADJUSTMENT			
							INSOLUBLE	% @		
							ZINC	% @		
							SULPHUR	% @		
							DEBIT			
							IRON	% @		
WEIGHT OF LOT			Gold quotation is final providing average gold quotation for calendar month does not change from \$34.9125 as used				TOTAL DEDUCTIONS			
WEIGHT OF _____ SACKS			LESS TOTAL DEDUCTIONS				199.90			
WET WEIGHT		<u>60980</u>								
LESS MOISTURE <u>2.0</u> %		<u>1220</u>								
DRY WEIGHT		<u>59760</u>								

FREIGHT ADVANCED

ADVANCES

SAMPLING

UMPIRE

ASSAYING

held a/c return of silver affidavit ---

NET PROCEEDS

Rates, except on contracts, subject to change without notice.
Buyers assays govern if seller fails to make or submit assays
prior to acceptance of payment.

MEM AUG.

AMERICAN SMELTING AND REFINING COMPANY

GARFIELD PLANT

SALT LAKE CITY, UTAH, September 5, 1940

BOUGHT OF Alex Lloyd MINE Mendha LOT No. 10

RECEIVED SAMPLED BY UOS CLASS Crude SHIPPING POINT Pioche, Nevada

Final gold quot.

QUOTATIONS GOLD 34.9125 SILVER .70625 LEAD 4.90 less 3.5625 COPPER

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	LEAD PER CENT	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO	Sb
A. S. & R. CO. MP	.12	3.4	6.0	.3	52.4	1.6	.6	.1	19.1	1.8	-
Union	.13	3.5	6.0		52.0	.8	.1		20.0		
UMPIRE											
SETTLEMENT ASSAY	.125	3.45	6.0	.3	52.2	1.2	.35	.1	19.55	1.8	

CAR INITIAL	NUMBER	WEIGHT	VALUES PER TON				DEDUCTIONS PER TON			
UP	63542		GOLD	@	31.81825	3.98	BASE			
			SILVER, 95% Min .5	@	.70625	2.08				
			LEAD, LESS 50%	@	.2675	.80				
			COPPER, LESS	@						
						6.86	LABOR ADJUSTMENT			
							INSOLUBLE	% @		
							ZINC	% @		
							SULPHUR	% @		
							DEBIT			
							IRON	% @		
WEIGHT OF LOT			LESS TOTAL DEDUCTIONS				TOTAL DEDUCTIONS			
WEIGHT OF _____ SACKS										
WET WEIGHT		62600								
LESS MOISTURE 1.0 %		626								
DRY WEIGHT		61974								

@ \$ 3.61 PER TON \$ 111.86

FREIGHT ADVANCED 80M Min @ 1.98 79.20

ADVANCES

SAMPLING 18.78

UMPIRE

ASSAYING 5.00 102.98

Rates, except on contracts, subject to change without notice.
 Buyers assays govern if seller fails to make or submit assays
 prior to acceptance of payment.

NET PROCEEDS \$ 8.88

NM SEPT

AMERICAN SMELTING AND REFINING COMPANY

MURRAY PLANT

SALT LAKE CITY, UTAH,

Sept. 10, 1940

BOUGHT OF Alex Lloyd

MINE Mendha

LOT No. 11

RECEIVED 9-9-40

SAMPLED BY UOS

CLASS

crude

SHIPPING POINT

Pioche, Nev.

QUOTATIONS

GOLD

34.9125

SILVER

.70625

LEAD

4.90 less 3.5625

COPPER

ASSAYS

GOLD
OZ. PER TONSILVER
OZ. PER TONLEAD
PER CENTCOPPER
PER CENTINSOL.
PER CENTZINC
PER CENTSULPHUR
PER CENTARSENIC
PER CENTIRON
PER CENT

CaO

A. S. & R. CO.

.2

9.7

8.7

.1

38.7

2.3

.2

13.7

7.0

Union

.21

10.2

8.8

38.3

1.7

-

14.3

UMPIRE

SETTLEMENT ASSAY

.205

9.95

8.75

.1

38.5

2.0

.1

14.0

7.0

CAR INITIAL

NUMBER

WEIGHT

VALUES PER TON

DEDUCTIONS PER TON

UP

62920

GOLD

@

31.81825

6.52

SILVER, 95%

Min. .5

@

.70625

6.67

LEAD, LESS

50%

@

.2675

1.17

COPPER, LESS

@

14.36

BASE

LABOR ADJUSTMENT

INSOLUBLE % @

ZINC % @

SULPHUR % @

DEBIT

IRON % @

WEIGHT OF LOT

WEIGHT OF

SACKS

123460

WET WEIGHT

4.2

5186

LESS MOISTURE

%

Gold quotation is final providing average gold quotation for calendar month does not change from \$34.9125 as used

LESS TOTAL DEDUCTIONS

3.25

TOTAL DEDUCTIONS

DRY WEIGHT

118274

@ \$

11.11

PER TON

\$ 657.01

FREIGHT ADVANCED

@ 1.98

122.23

ADVANCES

SAMPLING

37.04

UMPIRE

ASSAYING

5.00

164.27

492.74

Rates, except on contracts, subject to change without notice. Buyers assays govern if seller fails to make or submit assays prior to acceptance of payment.

MEM SEPT.

held a/c return of silver affidavit -----

200.47

NET PROCEEDS

\$

292.27

AMERICAN SMELTING AND REFINING COMPANY

MURRAY PLANT

SALT LAKE CITY, UTAH,

Oct. 7, 1940

BOUGHT OF Alex Lloyd

MINE Mendha

LOT No. 12

RECEIVED 10-7-40

SAMPLED BY UOS

CLASS crude

SHIPPING POINT Pioche, Nev.

QUOTATIONS GOLD 34.9125 SILVER 70625 LEAD 5.00 less 1.5625 COPPER

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	LEAD PER CENT	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO	Sb
A. S. & R. CO.	.23	12.7	9.2	.1	38.7	2.3	.2	.3	17.2	5.2	.3
Union	.245	12.95	9.4		38.2	1.6	.2		18.0		
UMPIRE											
SETTLEMENT ASSAY	.2375	12.825	9.3	.1	38.45	1.95	.2	.3	17.6	5.2	.3

CAR INITIAL	NUMBER	WEIGHT	VALUES PER TON				DEDUCTIONS PER TON			
UP	62116		GOLD	@	31.81825	7.56	BASE			
X	62620		SILVER, 95%	@	.70625	8.60				
			LEAD, LESS 1.5, 90%	@	.6875	4.83				
			COPPER, LESS	@		20.99	LABOR ADJUSTMENT			
							INSOLUBLE	% @		
							ZINC	% @		
							SULPHUR	% @		
							DEBIT			
							IRON	% @		
							TOTAL DEDUCTIONS			

Gold quotation is final providing assay
age gold quotation for calendar month
does not change from \$34.9125 as used

WEIGHT OF LOT

WEIGHT OF SACKS

WET WEIGHT 127200

LESS MOISTURE 3.0 % 3816

DRY WEIGHT 123384

LESS TOTAL DEDUCTIONS

6.50

@ \$ 14.49 PER TON \$ 893.92

FREIGHT ADVANCED

@ 2.48 157.73

ADVANCES

SAMPLING

38.16

UMPIRE

ASSAYING

5.00 200.89

693.03

Rates, except on contracts, subject to change without notice.
Buyers assays govern if seller fails to make or submit assays
prior to acceptance of payment. MEM OCT.

held a/c return of silver affidavit

269.59

NET PROCEEDS

\$ 423.44

SALT LAKE CITY, UTAH, Oct. 29, 1940

BOUGHT OF Alex Lloyd

MINE Mendha

Lot No. 13

RECEIVED 10-28-40

SAMPLED BY UOS

CLASS crude

SHIPPING POINT Pioche, Nev.

QUOTATIONS _____ GOLD 34.9125

SILVER 70625

5.50 less 1.5625

COPPER

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	LEAD PER CENT	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO	
A. S. & R. CO.	.43	8.7	12.2	.15	22.0	5.4	.4		17.8	7.7	
Union	.44	9.1	12.6		22.2	5.2	.1		18.1		
UMPIRE											
SETTLEMENT ASSAY	.435	8.9	12.4	.15	22.1	5.3	.25		17.95	7.7	

CAR INITIAL	NUMBER	WEIGHT	VALUES PER TON		DEDUCTIONS PER TON		
UCR	20678		GOLD	@ 31.81825	13.84	BASE	2.00
			SILVER, 95% Min..5	@ .70625	5.93	Under 30% lead	1.91
			LEAD, LESS 1.5, 90%	@ .7875	7.73		
			COPPER, LESS	@			
					27.50	LABOR ADJUSTMENT	.72
						INSOLUBLE	% @ 2.21
						ZINC	% @
						SULPHUR	% @
			Gold quotation is final providing average gold quotation for calendar month does not change from \$34.9125 as used				
WEIGHT OF LOT						DEBIT	6.84
WEIGHT OF SACKS						CaO % @	.39
WET WEIGHT 114360						IRON	% @ 1.08
LESS MOISTURE 2.85 % 3260			LESS TOTAL DEDUCTIONS		5.37	TOTAL DEDUCTIONS	5.37
DRY WEIGHT 111100					22.13	PER TON	\$ 1229.32

Rates, except on contracts, subject to change without notice.
Buyers assays govern if seller fails to make or submit assays
prior to acceptance of payment.

MEM OCT.

held a/c return of AG affidavit

NET PROCEEDS

\$ 845.14

AMERICAN SMELTING AND REFINING COMPANY

MURRAY PLANT

SALT LAKE CITY, UTAH, Nov. 16, 1940

BOUGHT OF Alex Lloyd

MINE

Mendha

LOT No. 14

RECEIVED 11-13-40

SAMPLED BY UOS

CLASS

crude

SHIPPING POINT Pioche, Nev.

QUOTATIONS

GOLD

34.9125

SILVER

70625

LEAD

5.80 less 3.5625

COPPER

ASSAYS

GOLD
OZ. PER TONSILVER
OZ. PER TONLEAD
PER CENTCOPPER
PER CENTINSOL.
PER CENTZINC
PER CENTSULPHUR
PER CENTARSENIC
PER CENTIRON
PER CENT

CaO

Sb

A. S. & R. CO.

.2

11.7

7.7

.1

41.0

2.3

.6

-

15.8

5.8

.1

Union

.21

12.

8.0

40.8

1.2

.3

16.5

UMPIRE

SETTLEMENT ASSAY

.205

11.85

7.85

.1

40.9

1.75

.45

16.15

5.8

.1

CAR INITIAL

NUMBER

WEIGHT

VALUES PER TON

DEDUCTIONS PER TON

UCR

21311

X UP

63123

GOLD

@ 31.81825

6.52

SILVER, 95%

@ .70625

7.95

LEAD, LESS

50% @ .4475

1.76

COPPER, LESS

@

16.23

BASE

LABOR ADJUSTMENT

INSOLUBLE % @

ZINC % @

SULPHUR % @

DEBIT

IRON % @

TOTAL DEDUCTIONS

WEIGHT OF LOT

WEIGHT OF SACKS

WET WEIGHT

LESS MOISTURE 4.75 %

139000

6602

132398

Gold quotation is final providing average gold quotation for calendar month does not change from \$34.9125 as used

LESS TOTAL DEDUCTIONS

3.25

DRY WEIGHT

@ \$

12.98

PER TON

\$ 859.26

FREIGHT ADVANCED

@ 2.42

168.19

ADVANCES

SAMPLING

41.70

UMPIRE

ASSAYING

5.00

214.89

Rates, except on contracts, subject to change without notice.
Buyers assays govern if seller fails to make or submit assays
prior to acceptance of payment.

held a/c return of AG affidavit - - - -

NET PROCEEDS

\$ 376.93

MEMNOV.

AMERICAN SMELTING AND REFINING COMPANY

MURRAY PLANT

SALT LAKE CITY, UTAH, December 26, 1940

BOUGHT OF Alex Lloyd

MINE Mendha

LOT No. 15

RECEIVED 12-24-40

SAMPLED BY UOS

CLASS Crude

SHIPPING POINT Pioche, Nevada

QUOTATIONS GOLD 34.9125 SILVER .70625 LEAD 5.50 bss 1.5625 COPPER

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	LEAD PER CENT	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
A. S. & R. CO.	.36	12.6	13.0	.2	18.2	5.8	.4		15.8	9.0
Union	.345	12.7	13.4		18.6	5.0	.4		15.4	
UMPIRE										
SETTLEMENT ASSAY	.3525	12.65	13.2	.2	18.4	5.4	.4		15.6	9.0

CAR INITIAL	NUMBER	WEIGHT	VALUES PER TON				DEDUCTIONS PER TON	
UP	62038		GOLD	@ 31.81825	11.22		BASE	2.00
X "	62617		SILVER, 95%	@ .70625	8.49		under 30% lead	1.83
			LEAD, LESS 1.5, 90%	@ .7875	8.29			
			COPPER, LESS	@				
					28.00		LABOR ADJUSTMENT	.72
							INSOLUBLE % @	1.84
							ZINC % @	
							SULPHUR % @	
							DEBIT	6.39
							CaO	.45
							IRON % @	.94
							TOTAL DEDUCTIONS	5.00

WEIGHT OF LOT

WEIGHT OF SACKS

WET WEIGHT 106760

LESS MOISTURE 5.7 % 6086

DRY WEIGHT 100674

Gold quotation is final providing average gold quotation for calendar month does not change from \$34.9125 as used

LESS TOTAL DEDUCTIONS

5.00

@ \$

23.00

PER TON

\$ 1157.75

FREIGHT ADVANCED

@ 3.03

161.74

ADVANCES

SAMPLING

32.03

UMPIRE

ASSAYING

5.00

198.77

Rates, except on contracts, subject to change without notice.
Buyers assays govern if seller fails to make or submit assays
prior to acceptance of payment.

held for return of Ag affidavit

NET PROCEEDS

\$ 742.03

NM DEC

AMERICAN SMELTING AND REFINING COMPANY

GARFIELD PLANT

SALT LAKE CITY, UTAH,

Feb. 11, 1941

BOUGHT OF Alex Lloyd

MINE

Mendha

Lot No. 17

RECEIVED 2-11-41

SAMPLED BY UOS

CLASS crude

SHIPPING POINT Pioche, Nev.

QUOTATIONS _____ GOLD 34.9125 SILVER 70625 LEAD 5.50 less 3.5625 COPPER _____

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	LEAD PER CENT	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO	
A. S. & R. CO. MP	.18	6.4	6.0	.1	34.6	1.0	.2		13.5	10.3	
Union	.19	6.45	6.3		34.2	.8	.2		14.0		
UMPIRE											
SETTLEMENT ASSAY	.185	6.425	6.15	.1	34.4	.9	.2		13.75	10.3	

CAR INITIAL	NUMBER	WEIGHT	VALUES PER TON		DEDUCTIONS PER TON	
UCR	20277		GOLD	@ 31.81825	5.89	BASE
X UP	63088		SILVER, 95% Min..5	@ .70625	4.18	
			LEAD, LESS	50% @ .3875	1.19	
			COPPER, LESS	@		
					11.26	LABOR ADJUSTMENT
						INSOLUBLE % @
						ZINC % @
						SULPHUR % @
WEIGHT OF LOT			Gold quotation is final providing average gold quotation for calendar month does not change from \$34.9125 as used			DEBIT
WEIGHT OF _____ SACKS						
WET WEIGHT 95900						IRON % @
LESS MOISTURE 2.95 % 2830			LESS TOTAL DEDUCTIONS			3.25 TOTAL DEDUCTIONS
93070						
DRY WEIGHT			@ \$ 8.01			PER TON \$ 372.75

Rates, except on contracts, subject to change without notice.
Buyers assays govern if seller fails to make or submit assays
prior to acceptance of payment.

held a/c return of silver affidavit - - - - 98.65

NET PROCEEDS _____ \$ 145.39

MEM FEB.

AMERICAN SMELTING AND REFINING COMPANY

MURRAY PLANT

SALT LAKE CITY, UTAH, March 29, 1941

BOUGHT OF Alex Lloyd MINE Honda LOT No. 10

RECEIVED 3-27-41 SAMPLED BY UCR CLASS Grade SHIPPING POINT Pioche, Nevada

QUOTATIONS GOLD 34.9125 SILVER 70685 LEAD 5.817 less 1.5625 COPPER

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	LEAD PER CENT	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CO ₂
A. S. & R. CO.	.29	6.9	8.4	-	39.6	-	.4		9.0	11.0
Union	.3	7.3	8.6		39.0	.5	.2		9.2	11.4
UMPIRE										
SETTLEMENT ASSAY	.295	7.1	8.5		39.3	.25	.3		9.1	11.2

CAR INITIAL	NUMBER	WEIGHT	VALUES PER TON				DEDUCTIONS PER TON			
UCR	20040		GOLD	@	31.8185	9.39	BASE			
			SILVER, 95%	@	70685	4.66				
			LEAD, LESS	@	5.909	5.36				
			COPPER, LESS	@						
						29.41	LABOR ADJUSTMENT			
							INSOLUBLE	% @		
							ZINC	% @		
							SULPHUR	% @		
							DEBIT			
							IRON	% @		
WEIGHT OF LOT			<p>Gold quotation is final providing average gold quotation for calendar month does not change from \$34.9125 as usual</p>							
WEIGHT OF SACKS										
WET WEIGHT		56000								
LESS MOISTURE 3.2 %		2700								
			LESS TOTAL DEDUCTIONS				TOTAL DEDUCTIONS			

DRY WEIGHT 54100 @ \$ 12.91 PER TON \$ 702.07

FREIGHT ADVANCED \$ 2.48 105.12
 ADVANCES
 SAMPLING 26.06
 UMPIRE
 ASSAYING 5.00 136.18

Rates, except on contracts, subject to change without notice.
 Buyers assays govern if seller fails to make or submit assays
 prior to acceptance of payment.

held for return of Ag nitrate

NET PROCEEDS \$ 507.05

29M MARCH

