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Item 6

NEVADA ASSAY OFFICE

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Procedure for corrected and controled -- gold-silver-- assays

Ore-- 1/2 assay ton

Flux:

- 28 grams litharge
- 24 grams sodium carbonate
- 8 " Borax
- 6 1/2 " flour
- 1 " flourspar (calcium fluoride)
- 2 " silica
- Salt cover

Add additional 8 grams silica to flux when assaying cupels.

Procedure:

Preheat oven to 1500° F or over. Place crucibles with charge in oven and bring temperture to 2000° F. Remove from oven and pour into conical mold. Place cover over mold to eliminate loss of slag. Seperate lead button from slag and using same flux re-run slag. Using bone ash cupels-- cupel buttons from heads and slag. Save cupels.

Pulverize ech cupel and place approximately 1/2 in seperate crucibles. Add flux as above with the addition of approximately 8 grams silica and fire as above.

Weigh each dore bead seperately to determine total net values. Its possible that the dore beads will weigh less than the amount of silver added per the inquarts as due to volitazation loss in furnace of silver.

Combine dore beads in parting cup (6 at this point) and part with nitric.

NOTE: in each individual crucible add 4 herman inquarts of approximately 2 mg (contained silver aech) This will result in a correction of approx. 8 mg when weighing dore beads.

Use same crucible as much as possible throughout the assay.

NEVADA ASSAY OFFICE
William L. Coffey
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