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STATE OF NEVADA

Item # 19

JOHN A. FULTON, DIRECTOR



BOX C. UNIVERSITY STATION

MACKAY SCHOOL OF MINES
RENO, NEVADA

August 15, 1935

MINING LOG OF NORTHERN NEVADA TRIP,

OF

Jay A. Carpenter, Mining Engineer, and Wm. I. Smyth, Metallurgist,

Aug. 2-12 Incl., 1935

By

Jay A. Carpenter, E.M.

The Grey Eagle.

This property is much mentioned in Battle Mountain, as the promotor, Mr. McInerny, is reopening the property. It is on the east side of the range, over the summit from Maysville.

At the property we found the mill site excavated and forms going in, with material from the Hilltop mill building arriving. The mill is being rushed in order to treat the dumps at the mouth of the transportation tunnel, 250' vertically above the mill, and the dumps on the mountain top at the end of this 1700' tunnel. However, work has just been started to drive a 300' tunnel from the mill bin level and to reopen the caved transportation tunnel, in order to reach these dumps!

The dump samples sent for flotation test assayed 0.5 oz. gold and 15.75 oz. silver, while a leaser friend of mine declares his samples ran \$3.00 to \$4.00. The tests showed that after taking out a lead concentrate, a zinc concentrate, an arsenopyrite concentrate, and a pyrite concentrate, there was but 36% of

the ore left in the tailing!

Our mining student, Caldwell, working here, has a chance to observe "high finance" in mining. His last pay check is now overdue!

August 11. Cuba Consolidated at Tenabo.

The old Tenabo Consolidated property was taken over under bond and lease by John Smith, an Italian miner, and his partner, Wilson, a grocer, over two years ago. Steady shipments of gold arsenopyrite ore paid for the property and for a 35 ton flotation plant. (See Smyth's report.) Smith is now running the mill two shifts only, on oxidized ore from old workings and from a heavy shoot of arsenopyrite ore that he has mined down on to 200' in depth. He now wishes to construct a 100 ton cyanide plant for lower grade surface ore! His geological discourses are crude, but his persistence and energy in following meager ore indications, has opened large stopes since I examined the mine over two years ago.

To obtain the needed steady mixed feed to his ball mill, he hoists all mill ore up his working shaft to the surface, dumps it down a raise, and bucket trams it to the mill shaft, (which has no timber in it.)

Power is generated by a McCormick diesel driving a 220 volt d. c. generator. Water is pumped from the original, now abandoned, shaft by a vertical multistage Byron Jackson deep well pump. A Chicago Pneumatic semi diesel compressor furnishes the air for drilling. One hoist is an old gas hoist converted to a Dodge auto engine drive through a home made flexible coupling, which hoist he prefers to his other electric hoist.

Smith has put all his profits back into more equipment, and his optimism blinds him to the difficulties ahead of his expansion program.

Tenabo Dry Placers.

Frankhande and Brown. These men abandoned a "Tower of Jewels" patent-