

H.O.F. Report - April/64. - Summary

Summary
LORR Province

- (1) Ore reserves 60,000 tons 2.2% Pb; 9.1% Zn; 2.76 g Ag, after allowing a dil factor of 20%.
- (2) Require expend. of \$140,000 (incl 60,000 op. capital) to place in production.
- (3) Pumping ops. require 60 days + can commence in June, thus the property can commence production in Aug. 1964. (!) (why?)
- (4) Op profit Est. @ \$600/T. based on Pb @ 12.5¢ and Zn @ 13¢.
- (5) Present mill is capable of 40,000 T/year + with changes in crushing + filtering plants could readily handle 50,000 T/year.
(Obviously explor. would have to produce practically all ore after 1st year opn.)
- (6) (me) willing to enter into a year contract for the Pb-Zn conc.
(Note JRM can advise paper offer) competitive contract.
- 7. Exploration possibilities offer the continued replenishment (at what rate?) of the ore reserves through the present levels + greater depths. The mine therefore has an -----
-- (end of summary to date).

Cork Province

(A) Rept C. Rutherford - June 13/55.

Prop - 9 CG's + 3 lvs 4+5 = 9 mi out of Keokuk on
5 pole Haslo Creek. EL + 3500'. CRK.
riding (old) @ 4 mi from mill.
Haslo Nelson = 42 mi.

History - 1896 - 1930 = 60,000 tons shipped out milled
punch by B.M. in 1949 + built 100T / day mill.
Prop. closed 1953 due to low metal prices.

Geology Stocon beds.

One occurs where a main fault cuts thru
various lime bands. One is replace. Type
of Zn - Pb - Ag - Cd content.

Development

Three adits + two shafts.

No. 3 adit is main opening + most of recent
product from below this adit via a
small 2-apt. incl. w/ engine sunk to 6-level.

New 3-apt. shaft from main X-C to 8-level.
@ 500' below adit.

Minor develop only accump. on new 7- + 8-level.

* Ore located on both 700- + 800-levels +
it is hard to understand why develop. was
not pushed more aggressively (Vim Motem!)

* In add'n to ore in new levels there is
room for consid. more expl'n along (subsidiary)
faults right up to "grass roots."

* The property has never been systematically
explored from which comes most of its troubles.

C. Subbajed Cook^{2.}

Mill operated @ 130-135 T./day in grade of
11th - 12th combined Pb-Zn. Only sufficient
ore to operate 6 days/week (small wing)
With new shaft & ^{another} added filter in mill
expect milling increase from 3200-3400 / mo. @
\$200-\$500 / mo. w. consequent saving in costs.
Operation all powered by diesel & all the
mine & mill equip. has been kept intact
under care of a watchman.

3- C. Rutherford, Calc - Process
Production

Total Ore Treated 1949 to Dec/53.

Shipped to Customs Mill 1949 + 1950 = 10,826 Tons

Milled @ Calc mill May/51 - Nov/53 = 83,652 "

Total Tons Treated - - - - - = 94,478 "
 (Started w 10,000 T in sight in June/49)

Ore Reserves - - - - - 50,350 Tons

144,828

Doubtful Ore grade - - 26,500

Total - - 171,328

Approx 60,000 T shipped 1890-1929

Operating profits in 1952 = \$372,000

Metal prices 1952, Pb @ 19¢; Zn - 19.5¢

" " Dec/53 Pb @ 13.5¢; Zn - 10.0¢
 Closure.

" " June/55 Pb @ 15¢ Zn @ 12.0¢

" " " 1956 Pb @ 16¢ Zn @ 13.5¢

Calculated Heads etc (From 94,478 Tons)

	<u>Pb %</u>	<u>Zn %</u>	<u>Cal %</u>
Heads - -	2.48	7.33	.059
Pb Conc - -	43.3	4.4	
Zn Conc - -	5.2	52.7	0.46
Tailings - -	0.2	0.45	
Ore Recovery - -	<u>92.5%</u>	<u>92.8%</u>	<u>93.2%</u>