

VANGORDA DEPOSIT ORE RESERVESGEOLOGICAL RESERVES (4% cut-off)

	<u>AREA</u>	<u>TONNES</u>	<u>Pb%</u>	<u>Zn%</u>	<u>Ag g/mt</u>	<u>Au g/mt</u>	<u>Note</u>
	2W-13E	4,950,000	3.3	4.3	48.0	0.74	*1
	14E-28E	2,130,000	3.6	3.8	50.0	0.78	*2
Total	2W-28E	7,080,000	3.4	4.2	48.6	0.75	

MINEABLE RESERVES (4% cut-off)

	<u>AREA</u>	<u>TONNES</u>	<u>Pb%</u>	<u>Zn%</u>	<u>Ag g/mt</u>	<u>Au g/mt</u>	<u>Note</u>
	2W-13E	4,294,000	3.3	4.3	47.0	0.73	*3
	14E-18Eonly	895,000	3.6	3.5	49.0	0.78	*4
TOTAL	2W-18E	5,189,000	3.4	4.2	47.3	0.74	

Note

- *1 Tonnage and grade estimated by MINTEC mine model. Tonnage and grade has been reduced by 5%.
- *2 Tonnage and grade estimated by sectional method. No reductions applied.
- *3 Tonnage and grade estimated by MINTEC mine model. A 5% reduction has been applied to tonnage and grade.
- *4 Tonnage and grade estimated by sectional method. A 5% reduction has been applied to grade only.

R.S.T. November 19, 1982

VANGORDA DEPOSIT
IN PIT RESERVES 14E-18E

<u>Cut-off 4%Pb+Zn</u>							
<u>Section</u>	<u>Waste (bcm)</u>	<u>Ore (Tonnes)</u>	<u>Pb%</u>	<u>Zn%</u>	<u>Ag g/mt</u>	<u>Au g/mt</u>	<u>Cu%</u>
14E	297,000	375,000	4.56	2.81	55.35	0.85	0.18
16E	274,000	308,000	3.24	4.02	48.95	0.80	0.28
18E	186,000	212,000	3.41	4.58	50.80	0.78	0.17
TOTAL	757,000	895,000	3.83	3.65	52.07	0.82	0.21

NOTE

- 1) Above assumes some ore/waste removed between 13E and 14E as per pit plan.
- 2) Toe of eastern pit margin at 18E.
- 3) Tonnage based on sectional area x 60m x S.G. of appropriate ore facies.
- 4) Waste is composed of 346,000bcm solid waste and 411,000bcm soil overburden.
- 5) Soil overburden figures may be high due to rotary drilling giving indefinite overburden/rock contact.

R.S.T. October 6, 1982

VANGORDA DEPOSIT
ORE TYPE DISTRIBUTION

The following ore types are predicted to occur in the following proportions of the total 895,000 tonnes of predicted ore between sections 14E and 18E at Vangorda.

<u>ORE TYPE</u>	<u>PROPORTION %</u>
4A	1
4BCD	26
4CE(includes 4H)	11
4E(includes 4H)	39
4GE	12
4G	11

R.S.T. October 7, 1982