

File RECON.WR1
June 13 1988
CVR

BLASTHOLE / FI MODEL / MILLFEED RECONCILIATION

- Notes: (a) Model reserves calculated using PCMINE computer mine modelling software. Reported FI model reserves for each period are calculated between corresponding computer generated month end pit surfaces which are created from mine survey data
- (b) Blasthole tonnage and grade calculated using the blasthole database and are reported from FARO geology dept. month end reports. A tonnage factor of 3 tonnes/bcy was applied for each ore type. Blast hole tonnage includes reserves mined from the ramp zone and Zone 1 which are NOT included in the FI model.
- (c) Model dilution is 10% at "0" grade. Mining loss is 5%
- (d) Mill tonnage and grade are reported from monthly metallurgical balance reports.

START-UP AUG 1986 to SEPT 31 1986

	Tnns*1000	%PB	%Zn	%Pb+Zn	Ag (g/tnn)
Blasthole 4-5%	199	1.85	2.92	4.77	n/a
Blasthole +4%	1,326	3.07	4.33	7.40	n/a
Blasthole +5%	1,127	3.28	4.57	7.85	n/a
Blasthole Cr Feed	984	3.18	4.52	7.70	n/a
Met Balance	910	3.03	4.73	7.76	42
Model Undiluted:					
FI Waste	17,873	0.00	0.00	0.00	0
FI 0.1-4%	114	1.20	2.23	3.43	25
FI +4%	742	3.52	5.79	9.31	49
FI 4-5%	65	1.34	3.08	4.42	27
FI +5%	678	3.73	6.05	9.78	51
FI 4-6%	112	1.64	3.21	4.85	34
FI +6%	630	3.86	6.25	10.11	51
Model Diluted:					
FI +4%	775	3.20	5.26	8.46	45
FI 4-5%	68	1.22	2.80	4.02	25
FI +5%	709	3.39	5.50	8.89	46
FI 4-6%	117	1.49	2.92	4.41	31
FI +6%	658	3.51	5.68	9.19	46

UNDIL. FI Model Stripping Ratio (Total Waste <4% / +4%) : 23.20

OCT 1 1986 to APRIL 30 1987

	Tnns*1000	%PB	%Zn	%Pb+Zn	Ag (g/tnn)
Blasthole 4-5%	447	1.81	2.95	4.76	27
Blasthole +4%	2,350	2.69	4.39	7.08	33
Blasthole +5%	1,903	2.9	4.73	7.63	34
Blasthole Cr Feed	2,502	2.98	4.77	7.75	35
Met Balance	2,489	2.98	4.7	7.68	37
Model Undiluted:					
FI Waste	10,819	0	0	0.00	0
FI 0.1-4%	696	1.01	1.95	2.96	16
FI +4%	2,122	2.73	4.52	7.25	35
FI 4-5%	317	1.75	2.77	4.52	26
FI +5%	1,805	2.9	4.83	7.73	37
FI 4-6%	761	1.8	3.28	5.08	24
FI +6%	1,361	3.25	5.22	8.47	41
Model Diluted:					
FI +4%	2,217	2.48	4.11	6.59	32
FI 4-5%	331	1.59	2.52	4.11	24
FI +5%	1,886	2.64	4.39	7.03	34
FI 4-6%	795	1.64	2.98	4.62	22
FI +6%	1,422	2.95	4.75	7.70	37

UNDIL. FI Model Stripping Ratio (Total Waste <4% / +4%) : 5.19

MAY 1 1987 to DEC 31 1987

	Tnns*1000	%PB	%Zn	%Pb+Zn	Ag (g/tnn)
Blasthole 4-5%	137	2.17	2.39	4.56	32
Blasthole +4%	2,819	3.62	5.14	8.76	42
Blasthole +5%	2,682	3.69	5.28	8.97	43
Blasthole Cr Feed	2,978	3.62	5.18	8.80	43
Met Balance	3,084	3.5	5.04	8.54	42
Model Undiluted:					
FI Waste	16,604	0	0	0.00	0
FI 0.1-4%	421	1.05	1.69	2.74	22
FI +4%	2,747	3.49	4.98	8.47	45
FI 4-5%	297	1.89	2.66	4.55	32
FI +5%	2,450	3.69	5.26	8.95	47
FI 4-6%	633	2.12	2.89	5.01	34
FI +6%	2,114	3.9	5.6	9.50	48
Model Diluted:					
FI +4%	2,871	3.17	4.53	7.70	41
FI 4-5%	310	1.72	2.42	4.14	29
FI +5%	2,560	3.35	4.78	8.14	43
FI 4-6%	661	1.93	2.63	4.55	31
FI +6%	2,209	3.55	5.09	8.64	44

UNDIL. FI Model Stripping Ratio (Total Waste <4% / +4%) : 5.93

JAN 1 1988 to MAY 31 1988

	Tnns*1000	%PB	%Zn	%Pb+Zn	Ag (g/tnn)
Blasthole 4-5%	135	2.11	2.85	4.96	32
Blasthole +4%	2,337	3.87	4.87	8.74	55
Blasthole +5%	2,203	3.98	4.99	8.97	56
Blasthole Cr Feed	1,884	3.90	4.86	8.76	55
Met Balance	1,880	3.78	4.67	8.45	56
Model Undiluted:					
FI Waste	7,359	0.00	0.00	0.00	0
FI 0.1-4%	455	1.14	1.41	2.55	20
FI +4%	1,722	3.52	4.62	8.14	52
FI 4-5%	268	1.78	2.70	4.48	28
FI +5%	1,454	3.84	4.98	8.82	56
FI 4-6%	462	1.90	3.02	4.92	29
FI +6%	1,258	4.11	5.21	9.32	60
Model Diluted:					
FI +4%	1,799	3.20	4.20	7.40	47
FI 4-5%	280	1.62	2.45	4.07	25
FI +5%	1,519	3.49	4.53	8.02	51
FI 4-6%	483	1.73	2.75	4.47	26
FI +6%	1,315	3.74	4.74	8.47	55

UNDIL. FI Model Stripping Ratio (Total Waste <4% / +4%) : 4.34

REMAINING RESERVES FARD PIT - AS OF MAY 31 1988
REDESIGNED CD PHASE

	Tnns*1000	%PB	%Zn	%Pb+Zn	Ag (g/tnn)
Model Undiluted:					
FI Waste	26908	0	0	0.00	0
FI 0.1-4%	4852	1.06	1.82	2.88	19
FI +4%	15071	2.97	4.72	7.69	36
FI 4-5%	2289	1.74	2.77	4.51	27
FI +5%	12783	3.19	5.07	8.26	37
FI 4-6%	4777	1.92	3.08	5.00	29
FI +6%	10294	3.45	5.48	8.93	39
Model Diluted:					
FI +4%	15,749	2.70	4.29	6.99	33
FI 4-5%	2,392	1.58	2.52	4.10	25
FI +5%	13,358	2.90	4.61	7.51	34
FI 4-6%	4,992	1.75	2.80	4.55	26
FI +6%	10,757	3.14	4.98	8.12	35

UNDIL. FI Model Stripping Ratio (Total Waste <4% / +4%) : 2.02

STOCKPILE INVENTORY: START-UP JAN 1986 TO SEPT 30 1986

TONNES x1000

Stockpile	Beginning	Ending	Change
Low grade "A"	0.0	57.6	57.6
Low grade "C"	0.0	86.7	86.7
High grade CR	0.0	64.9	64.9
High grade "B"	0.0	0.0	0.0
High grade "D"	0.0	0.0	0.0
High grade COARSE	0.0	0.0	0.0
Oxide Stockpile	?	?	(69.1)

STOCKPILE INVENTORY: OCT 1 1986 to APRIL 30 1987

TONNES x1000

Stockpile	Beginning	Ending	Change
Low grade "A"	57.6	318.0	260.4
Low grade "C"	86.7	237.0	150.3
High grade CR	64.9	95.0	30.1
High grade "B"	0.0	0.0	0.0
High grade "D"	0.0	0.0	0.0
High grade COARSE	0.0	0.0	0.0
Oxide Stockpile	?	?	(431.0)

STOCKPILE INVENTORY: MAY 1 1987 to DEC 31 1987

TONNES x1000

Stockpile	Beginning	Ending	Change
Low grade "A"	318.0	367.8	49.8
Low grade "C"	237.0	198.0	(39.0)
High grade CR	95.0	43.5	(51.5)
High grade "B"	0.0	17.3	17.3
High grade "D"	0.0	0.0	0.0
High grade COARSE	0.0	15.1	15.1
Oxide Stockpile	0.0	0.0	0.0

STOCKPILE INVENTORY: JAN 1 1988 to MAY 31 1988

TONNES x1000

Stockpile	Beginning	Ending	Change
Low grade "A"	367.8	468.4	100.6
Low grade "C"	198.0	206.0	8.0
High grade CR	43.5	14.9	(28.6)

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