

000467

E:\PMD\FB\MODREC.WR1 DELL 325 OCTOBER 22 1990 M. WASEL

MODEL RECONCILIATION WITH ACTUAL BLAST HOLE RESERVE ESTIMATES.

- Model Totals Have Been Adjusted For a 95% Mining Recovery.
- Blasthole data has been corrected to correspond to month end pickup dates.

F9008 INTERPRETATION						F9003 INTERPRETATION						BLASTHOLE INVENTORY					
HCR 6.00 TO 66.00 PB+ZN						HCR 6.00 TO 66.00 PB+ZN						HCR 6.00 TO 66.00 PB+ZN					
MONTH	BENCH	PHASE	TONNES	%PB+ZN	t Metal	MONTH	BENCH	PHASE	TONNES	%PB+ZN	t Metal	MONTH	BENCH	PHASE	TONNES	%PB+ZN	t Metal
AUG./90	3450	S	17,385	8.27	1,438	AUG./90	3450	S	20,370	8.69	1,770	AUG./90	3430	S	153,779	9.00	13,840
AUG./90	3430	S	150,167	8.89	13,350	AUG./90	3430	S	179,040	8.53	15,267	AUG./90	3650	E	77,413	7.74	5,992
AUG./90	3650	E	55,233	7.01	3,872	AUG./90	3670	E	2,140	6.47	138	AUG./90	3630	E	5,969	10.40	621
AUG./90	3630	E	11,248	6.53	734	AUG./90	3650	E	66,210	7.01	4,643	AUG./90	3610	E	19,943	9.66	1,926
AUG./90	3610	E	6,394	7.49	479	AUG./90	3630	E	7,250	7.24	525						
						AUG./90	3610	E	15,290	6.39	977						
TOTAL HCR FOR MONTH			228,406	8.27	18,879	TOTAL HCR FOR MONTH			275,785	8.03	22,154	TOTAL HCR FOR MONTH			257,104	8.70	22,379
SEPT/90	3650	E	15,350	7.00	1,075	SEPT/90	3650	E	7,880	6.19	488						0
SEPT/90	3630	E	49,900	7.03	3,509	SEPT/90	3630	E	60,400	6.72	4,060	SEPT/90	3630	E	71,651	7.34	5,259
SEPT/90	3610	E	36,450	6.82	2,485	SEPT/90	3610	E	14,510	6.66	966	SEPT/90	3430	S	52,307	8.87	4,640
SEPT/90	3590	E	2,510	6.40	161	SEPT/90	3590	E	3,760	6.93	261						0
SEPT/90	3450	S	4,560	9.05	413	SEPT/90	3450	S	7,820	8.93	698						0
SEPT/90	3430	S	93,050	8.10	7,535	SEPT/90	3430	S	81,170	7.83	6,356						0
TOTAL HCR FOR MONTH			191,729	7.52	14,419	TOTAL HCR FOR MONTH			166,763	7.31	12,188	TOTAL HCR FOR MONTH			123,958	7.99	9,899

YEAR TO DATE TOTALS				HIGH GRADE > 6% Pb+Zn							
YEAR TO DATE >6%	420,135	7.93	33,298	YEAR TO DATE >6%	442,548	7.76	34,341	YEAR TO DATE >6%	381,062	8.47	32,278
	TONNES	%PB+ZN	METAL		TONNES	%PB+ZN	METAL		TONNES	%PB+ZN	METAL
DIFFERENCE BETWEEN F9008 AND BLASTHOLE ESTIMATES	39,073	2.61	1,020								
DIFFERENCE BETWEEN F9003 AND BLASTHOLE ESTIMATES	61,486	3.36	2,063								

MEDIUM GRADE 5-6%						MEDIUM GRADE 5-6%						MEDIUM GRADE 5-6%					
MONTH	BENCH	PHASE	TONNES	%PB+ZN	t Metal	MONTH	BENCH	PHASE	TONNES	%PB+ZN	t Metal	MONTH	BENCH	PHASE	TONNES	%PB+ZN	t Metal
AUG./90	3450	S	2,109	5.56	117	AUG./90	3450	S	3,080	5.79	178	AUG./90	3430	S	78,263	5.93	4,641
AUG./90	3430	S	10,526	5.66	596	AUG./90	3430	S	11,750	5.69	669	AUG./90	3650	E	28,486	5.57	1,587
AUG./90	3650	E	32,272	5.46	1,762	AUG./90	3670	E	6,810	5.40	367	AUG./90	3630	E	68,932	6.16	4,246
AUG./90	3630	E	22,772	5.43	1,237	AUG./90	3650	E	49,200	5.54	2,727						

AUG./90 3610 E	6,394	5.18	331	AUG./90 3630 E	13,910	5.30	737	AUG./90 3610 E	2,192	6.41	141
				AUG./90 3610 E	10,920	5.65	616				
				AUG./90 3590 E	8,530	5.46	466				
TOTAL MED FOR MONTH	70,369	5.46	3,841	TOTAL MED FOR MONTH	98,990	5.53	5,472	TOTAL MED FOR MONTH	177,873	5.97	10,614
SEPT/90 3650 E	23,940	5.49	1,314	SEPT/90 3650 E	46,100	5.52	2,544				0
SEPT/90 3630 E	43,440	5.63	2,447	SEPT/90 3630 E	31,970	5.45	1,741	SEPT/90 3630 E	67,131	5.93	3,981
SEPT/90 3610 E	26,670	5.59	1,491	SEPT/90 3610 E	29,380	5.44	1,599	SEPT/90 3610 E	34,088	6.18	2,107
SEPT/90 3590 E	5,310	5.44	289	SEPT/90 3590 E	4,780	5.53	264	SEPT/90 3430 S	50,692	6.16	3,123
SEPT/90 3450 S	3,420	5.46	187	SEPT/90 3450 S	1,280	5.61	72				0
SEPT/90 3430 S	34,690	5.64	1,956	SEPT/90 3430 S	46,260	5.59	2,585				0
TOTAL MEDIUM FOR MONTH	130,597	5.59	7,300	TOTAL MEDIUM FOR MONTH	151,782	5.51	8,366	TOTAL MEDIUM FOR MONTH	151,911	6.06	9,210

YEAR TO DATE TOTALS	GRADE CUT OFF OF 5%			MEDIUM & HIGH GRADE							
YEAR TO DATE > 5%	621,101	7.15	44,438	YEAR TO DATE > 5%	693,320	6.95	48,180	YEAR TO DATE > 5%	710,846	7.33	52,102
			TONNES			%PB+ZN	METAL				
DIFFERENCE BETWEEN F9008 AND BLASTHOLE ESTIMATES			(89,746)			8.54	(7,664)				
DIFFERENCE BETWEEN F9003 AND BLASTHOLE ESTIMATES			(17,527)			22.38	(3,922)				

LOW 3.00 TO 5.00 PB+ZN					LOW 3.00 TO 5.00 PB+ZN					LOW 3.00 TO 5.00 PB+ZN							
MONTH	BENCH	PHASE	TONNES	%PB+ZN t Metal	MONTH	BENCH	PHASE	TONNES	%PB+ZN t Metal	MONTH	BENCH	PHASE	TONNES	%PB+ZN t Metal			
AUG./90	3450	S	817	4.32	35	AUG./90	3450	S	1,090	4.13	45	AUG./90	3430	S	9,532	4.56	435
AUG./90	3430	S	5472	4.59	251	AUG./90	3430	S	1,180	4.86	57	AUG./90	3650	E	38,798	4.58	1,777
AUG./90	3650	E	45192	4.03	1,821	AUG./90	3670	E	12,810	4.63	593	AUG./90	3630	E	57,616	4.32	2,489
AUG./90	3630	E	58672	4.38	2,570	AUG./90	3650	E	30,050	4.20	1,263						
AUG./90	3610	E	9595	4.31	414	AUG./90	3630	E	96,910	4.36	4,220						
						AUG./90	3610	E	13,450	4.41	593						
TOTAL LOW FOR MONTH			113,761	4.25	4,837	TOTAL LOW FOR MONTH			147,716	4.36	6,434	TOTAL LOW FOR MONTH			105,946	4.44	4,701
SEPT/90	3650	E	19,550	4.14	810	SEPT/90	3650	E	4,940	4.67	231						
SEPT/90	3630	E	20,140	4.44	894	SEPT/90	3630	E	44,320	4.43	1,961	SEPT/90	3630	E	14,332	4.44	636
SEPT/90	3610	E	21,770	4.36	949	SEPT/90	3610	E	36,210	4.36	1,577	SEPT/90	3610	E	21,770	4.36	949
SEPT/90	3590	E	1,390	4.50	63	SEPT/90	3590	E	2,660	4.37	116	SEPT/90	3430	S	34,266	4.27	1,463
SEPT/90	3430	S	21,270	4.35	924	SEPT/90	3430	S	23,180	4.33	1,004					0	
TOTAL LOW FOR MONTH			79,914	4.33	3,458	TOTAL LOW FOR MONTH			105,745	4.39	4,645	TOTAL LOW FOR MONTH			70,368	4.33	3,049

AUGUST TOTALS			HIGH, MEDIUM, AND LOW GRADES			3% CUT OFF GRADE		
F9008						F9003		
TOTAL FOR MONTH	412,536	6.68	27,556			TOTAL FOR MONTH	522,491	6.52 34,059
			TONNES					TOTAL FOR MONTH 540,923 6.97 37,694
DIFFERENCE BETWEEN F9008 AND BLASTHOLE ESTIMATES			(128,387)				7.90 (10,138)	
DIFFERENCE BETWEEN F9003 AND BLASTHOLE ESTIMATES			(18,433)				19.72 (3,635)	

SEPTEMBER TOTALS			HIGH MEDIUM AND LOW GRADES					
TOTAL FOR MONTH	402,240	6.26	25,177			TOTAL FOR MONTH	424,289	5.94 25,199
			TONNES					TOTAL FOR MONTH 346,237 6.40 22,158
DIFFERENCE BETWEEN F9008 AND BLASTHOLE ESTIMATES			56,003				5.39 3,019	
DIFFERENCE BETWEEN F9003 AND BLASTHOLE ESTIMATES			78,052				3.90 3,041	

YEAR TO DATE TOTALS			HIGH MEDIUM AND LOW GRADES			F9003			BLASTHOLE		
YEAR TO DATE	814,775	6.47	52,733			YEAR TO DATE	946,780	6.26 59,258	YEAR TO DATE	887,160	6.75 59,852
			TONNES								
DIFFERENCE BETWEEN F9008 AND BLASTHOLE ESTIMATES			+ (72,385)				+ .28 9.83	+ (7,119)			
DIFFERENCE BETWEEN F9003 AND BLASTHOLE ESTIMATES			- 59,620				+ .59 (1,00)	+ (593)			

GAIN ↘
 ↗ LOSS

CIB good
 BB-12 per