

MINING RESERVE EVALUATION

*Jim HENDRY  
 Pit Oct/90*

DESCRIPTION : Vangorda Reserves 1092 to 1026 Elevations J. Hendrys Pit

TOP SURFACE GRID RECORD : 1 Vangorda 9009 Topographic Surface  
 BOTTOM SURFACE GRID RECORD : 11 Vangorda Ultimate Pit JAMES HENDRY VJH MERGED with Topo.

BLOCKS USED : COLUMNS 1 TO 100 ROWS 1 TO 128  
 CATEGORY : 1 : Rock Type 20 Reserves

CUT-OFF GRADES FOR THIS CATEGORY  
 LABEL FROM TO  
 %Pb+Zn .000 99.000

ROCK-TYPES IN THIS CATEGORY : 20 21 22 23

INCREMENTAL BENCH TOTALS

BENCH	CREST		TOE	VOLUME		DENSITY	TONNAGE	AVERAGE GRADES				ECONOMIC FACTOR				
	[m	]		[m	]			[bcm	x1000]	[tn/bcm]	[ TONS x1000]		[%Pb+Zn]	[%Pb	]	[%Zn
46	1095.00		1092.00		20.71	2.784	57.66	4.095	1.627	2.468	2.167	.492	.00			
47	1092.00		1089.00		19.24	2.802	53.90	4.562	1.820	2.742	2.368	.491	.00			
48	1089.00		1086.00		16.05	2.810	45.10	4.657	1.805	2.851	2.455	.488	.00			
49	1086.00		1083.00		10.56	2.794	29.51	3.754	1.403	2.351	1.950	.434	.00			
50	1083.00		1080.00		12.52	2.786	34.87	4.102	1.548	2.555	2.233	.445	.00			
51	1080.00		1077.00		10.42	2.806	29.25	4.343	1.575	2.769	2.325	.404	.00			
52	1077.00		1074.00		5.21	2.783	14.50	4.569	1.594	2.975	2.373	.399	.00			
53	1074.00		1071.00		7.82	2.924	22.86	4.914	1.664	3.250	2.366	.301	.00			
54	1071.00		1068.00		1.25	3.058	3.82	5.634	2.004	3.630	2.805	.344	.00			
55	1068.00		1065.00		.00	.000	.00	.000	.000	.000	.000	.000	.00			
56	1065.00		1062.00		.00	.000	.00	.000	.000	.000	.000	.000	.00			
57	1062.00		1059.00		.00	.000	.00	.000	.000	.000	.000	.000	.00			
58	1059.00		1056.00		.00	.000	.00	.000	.000	.000	.000	.000	.00			
59	1056.00		1053.00		.21	2.880	.62	.000	.000	.000	.000	.000	.00			
60	1053.00		1050.00		.00	.000	.00	.000	.000	.000	.000	.000	.00			
61	1050.00		1047.00		.00	.000	.00	.000	.000	.000	.000	.000	.00			
62	1047.00		1044.00		.00	.000	.00	.000	.000	.000	.000	.000	.00			
63	1044.00		1041.00		.00	.000	.00	.000	.000	.000	.000	.000	.00			
64	1041.00		1038.00		.00	.000	.00	.000	.000	.000	.000	.000	.00			
65	1038.00		1035.00		.00	.000	.00	.000	.000	.000	.000	.000	.00			
66	1035.00		1032.00		.00	.000	.00	.000	.000	.000	.000	.000	.00			
67	1032.00		1029.00		.00	.000	.00	.000	.000	.000	.000	.000	.00			
68	1029.00		1026.00		.00	.000	.00	.000	.000	.000	.000	.000	.00			
TOTAL FOR ALL BENCHES					103.99	2.809	292.09	4.358	1.656	2.703	2.280	.448	.00			

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DESCRIPTION : Vangorda Reserves 1092 to 1026 Elevations J. Hendry's Pit

TOP SURFACE GRID RECORD : 1 Vangorda 9009 Topographic Surface  
 BOTTOM SURFACE GRID RECORD : 11 Vangorda Ultimate Pit JAMES HENDRY VJH MERGED with Topo.

BLOCKS USED : COLUMNS 1 TO 100 ROWS 1 TO 128  
 CATEGORY : 2 : Rock Type 30,40

CUT-OFF GRADES FOR THIS CATEGORY  
 LABEL FROM TO  
 %Pb+Zn .000 99.000

ROCK-TYPES IN THIS CATEGORY : 30 31 32 33 40 41 42 43

INCREMENTAL BENCH TOTALS

BENCH	CREST		TOE		VOLUME		DENSITY		TONNAGE		AVERAGE GRADES				ECONOMIC FACTOR
	[m	]	[m	]	[bcm	x1000]	[tn/bcm]	[ TONS x1000]	[%Pb+Zn]	[%Pb	]	[%Zn	]	[Ag g/t]	[Au g/t]
46	1095.00		1092.00		2.35		3.609		8.48	2.284	1.414	.870	1.694	.765	.00
47	1092.00		1089.00		3.87		3.575		13.83	1.752	1.051	.701	1.597	.809	.00
48	1089.00		1086.00		3.96		3.565		14.11	1.754	.873	.881	1.805	.752	.00
49	1086.00		1083.00		6.18		3.684		22.76	1.906	.844	1.062	1.880	.808	.00
50	1083.00		1080.00		1.78		3.691		6.58	1.823	.786	1.036	1.881	.890	.00
51	1080.00		1077.00		3.72		3.721		13.85	1.895	.931	.964	1.544	.982	.00
52	1077.00		1074.00		7.48		3.698		27.66	2.264	1.172	1.092	1.556	.975	.00
53	1074.00		1071.00		10.80		3.713		40.11	2.292	1.187	1.104	1.579	1.027	.00
54	1071.00		1068.00		12.51		3.728		46.64	2.249	1.108	1.141	1.532	1.056	.00
55	1068.00		1065.00		14.42		3.698		53.35	1.985	.971	1.015	1.599	1.059	.00
56	1065.00		1062.00		8.17		3.654		29.87	2.061	1.052	1.009	1.748	1.050	.00
57	1062.00		1059.00		12.88		3.575		46.05	1.876	.947	.929	1.609	.914	.00
58	1059.00		1056.00		13.87		3.514		48.72	1.944	.950	.994	1.488	.911	.00
59	1056.00		1053.00		21.13		3.478		73.50	2.019	.966	1.054	1.424	.828	.00
60	1053.00		1050.00		6.79		3.486		23.67	1.534	.727	.807	1.214	.816	.00
61	1050.00		1047.00		6.95		3.499		24.33	1.854	.812	1.043	1.385	.674	.00
62	1047.00		1044.00		.63		3.310		2.07	2.791	1.140	1.650	1.893	.554	.00
63	1044.00		1041.00		.48		2.902		1.41	1.380	.592	.789	.934	.331	.00
64	1041.00		1038.00		.00		.000		.00	.000	.000	.000	.000	.000	.00
65	1038.00		1035.00		.00		.000		.00	.000	.000	.000	.000	.000	.00
66	1035.00		1032.00		.00		.000		.00	.000	.000	.000	.000	.000	.00
67	1032.00		1029.00		.00		.000		.00	.000	.000	.000	.000	.000	.00
68	1029.00		1026.00		.00		.000		.00	.000	.000	.000	.000	.000	.00
TOTAL FOR ALL BENCHES					137.98		3.602		496.99	2.003	.990	1.013	1.555	.918	.00

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DESCRIPTION : Vangorda Reserves 1092 to 1026 Elevations J. Hendrys Pit

TOP SURFACE GRID RECORD : 1 Vangorda 9009 Topographic Surface  
 BOTTOM SURFACE GRID RECORD : 11 Vangorda Ultimate Pit JAMES HENDRY VJH MERGED with Topo.

BLOCKS USED : COLUMNS 1 TO 100 ROWS 1 TO 128  
 CATEGORY : 3 : Rock Type 50,60,70,80

CUT-OFF GRADES FOR THIS CATEGORY  
 LABEL FROM TO  
 %Pb+Zn .000 99.000

ROCK-TYPES IN THIS CATEGORY : 50 60 61 62 63 70 80

INCREMENTAL BENCH TOTALS

BENCH	CREST		TOE	VOLUME		DENSITY	TONNAGE	AVERAGE GRADES				ECONOMIC FACTOR			
	[m	]		[m	]			[bcm	x1000]	[tn/bcm]	[ TONS x1000]		[%Pb+Zn]	[%Pb	]
46	1095.00		1092.00	40.03		4.110	164.55	9.997	4.456	5.541	5.759	.853	.00		
47	1092.00		1089.00	36.52		4.117	150.35	9.863	4.404	5.459	5.565	.861	.00		
48	1089.00		1086.00	33.19		4.084	135.56	9.666	4.382	5.284	5.234	.811	.00		
49	1086.00		1083.00	37.76		4.077	153.96	10.075	4.554	5.522	5.397	.816	.00		
50	1083.00		1080.00	35.40		4.090	144.80	9.973	4.509	5.464	5.270	.771	.00		
51	1080.00		1077.00	36.87		4.132	152.35	10.137	4.609	5.528	5.427	.841	.00		
52	1077.00		1074.00	42.36		4.151	175.81	10.134	4.548	5.585	5.664	.817	.00		
53	1074.00		1071.00	41.01		4.152	170.28	9.862	4.453	5.409	5.592	.831	.00		
54	1071.00		1068.00	40.16		4.136	166.11	9.553	4.329	5.224	5.550	.793	.00		
55	1068.00		1065.00	37.53		4.101	153.89	9.250	4.200	5.049	5.376	.792	.00		
56	1065.00		1062.00	32.10		4.083	131.06	9.156	4.125	5.031	5.231	.806	.00		
57	1062.00		1059.00	28.67		4.087	117.17	9.108	4.107	5.002	5.225	.818	.00		
58	1059.00		1056.00	18.70		4.136	77.35	9.066	4.101	4.965	5.385	.847	.00		
59	1056.00		1053.00	11.19		4.098	45.84	8.176	3.730	4.446	4.720	1.145	.00		
60	1053.00		1050.00	8.23		4.103	33.76	8.009	3.664	4.345	4.896	1.361	.00		
61	1050.00		1047.00	8.39		4.195	35.21	7.720	3.507	4.213	4.770	1.432	.00		
62	1047.00		1044.00	5.15		4.237	21.83	8.038	3.578	4.460	4.912	1.452	.00		
63	1044.00		1041.00	5.83		4.243	24.75	8.139	3.621	4.519	4.895	1.420	.00		
64	1041.00		1038.00	1.78		4.124	7.35	7.315	3.057	4.258	4.795	1.364	.00		
65	1038.00		1035.00	1.65		4.154	6.84	8.140	3.498	4.642	5.121	1.450	.00		
66	1035.00		1032.00	.00		.000	.00	.000	.000	.000	.000	.000	.00		
67	1032.00		1029.00	.00		.000	.00	.000	.000	.000	.000	.000	.00		
68	1029.00		1026.00	.00		.000	.00	.000	.000	.000	.000	.000	.00		
TOTAL FOR ALL BENCHES				502.52		4.117	2068.85	9.581	4.321	5.259	5.401	.864	.00		



MINING RESERVE EVALUATION

DESCRIPTION : Vangorda Reserves 1092 to 1026 Elevations J. Hendrys Pit

TOP SURFACE GRID RECORD : 1 Vangorda 9009 Topographic Surface  
 BOTTOM SURFACE GRID RECORD : 11 Vangorda Ultimate Pit JAMES HENDRY VJH MERGED with Topo.

BLOCKS USED : COLUMNS 1 TO 100 ROWS 1 TO 128  
 BENCH TOTALS FOR ALL MATERIAL

INCREMENTAL BENCH TOTALS

BENCH	CREST		TOE	VOLUME		DENSITY	TONNAGE	AVERAGE GRADES					ECONOMIC FACTOR	
	[m	]		[m	]			[bcm	x1000]	[tn/bcm]	[ TONS x1000]	[%Pb+Zn]		[%Pb
46	1095.00		1092.00		213.09		3.074	655.04	2.901	1.281	1.620	1.659	.268	.00
47	1092.00		1089.00		211.43		3.061	647.27	2.708	1.197	1.511	1.524	.258	.00
48	1089.00		1086.00		184.27		3.071	565.92	2.730	1.215	1.515	1.494	.252	.00
49	1086.00		1083.00		182.85		3.114	569.41	2.995	1.338	1.657	1.635	.275	.00
50	1083.00		1080.00		153.32		3.133	480.30	3.329	1.482	1.847	1.777	.277	.00
51	1080.00		1077.00		151.27		3.166	478.87	3.545	1.589	1.956	1.913	.321	.00
52	1077.00		1074.00		130.95		3.312	433.66	4.405	1.972	2.433	2.475	.407	.00
53	1074.00		1071.00		129.76		3.332	432.36	4.356	1.952	2.404	2.474	.438	.00
54	1071.00		1068.00		105.12		3.443	361.98	4.733	2.150	2.582	2.774	.503	.00
55	1068.00		1065.00		103.59		3.416	353.82	4.322	1.973	2.349	2.579	.504	.00
56	1065.00		1062.00		78.13		3.436	268.45	4.699	2.131	2.569	2.748	.510	.00
57	1062.00		1059.00		77.70		3.421	265.79	4.340	1.974	2.366	2.582	.519	.00
58	1059.00		1056.00		52.88		3.478	183.95	4.327	1.976	2.351	2.659	.597	.00
59	1056.00		1053.00		51.81		3.375	174.89	2.992	1.383	1.608	1.836	.648	.00
60	1053.00		1050.00		31.83		3.309	105.33	2.912	1.338	1.574	1.842	.620	.00
61	1050.00		1047.00		31.24		3.355	104.81	3.024	1.367	1.658	1.924	.638	.00
62	1047.00		1044.00		19.08		3.239	61.81	2.933	1.302	1.631	1.799	.531	.00
63	1044.00		1041.00		18.55		3.289	61.00	3.335	1.483	1.852	2.008	.584	.00
64	1041.00		1038.00		5.62		3.253	18.30	2.940	1.229	1.712	1.927	.548	.00
65	1038.00		1035.00		5.62		3.231	18.17	3.063	1.316	1.747	1.927	.545	.00
66	1035.00		1032.00		.00		.000	.00	.000	.000	.000	.000	.000	.00
67	1032.00		1029.00		.00		.000	.00	.000	.000	.000	.000	.000	.00
68	1029.00		1026.00		.00		.000	.00	.000	.000	.000	.000	.000	.00
TOTAL FOR ALL BENCHES					1938.12		3.220	6241.14	3.539	1.589	1.951	2.021	.380	.00