

MORRIS-LLOYD MINE

COMPARATIVE MINING COST FOR YEAR

	1 9 2 2	1 9 2 1	INCREASE	DECREASE
PRODUCT	221,979	209,034	12,945	
Underground Costs	1.345	1.945		.600
Surface Costs	.230	.251		.021
General Mine Accounts	.143	.156		.013
Cost of Production	1.718	2.352		.634
Original Cost	.032	.039		.007
Plant Account	.262	.268		.006
Extraordinary Drifting		.094		.094
Taxes	.267	.279		.012
Central Office	.085	.094		.009
Contingent Expense	.041	.048		.007
Cost Adjustment	.017	.096		.079
Cost on Stockpile	2.422	3.270		.848
Loading & Shipping	.076	.013	.063	
Total Cost on Cars	2.498	3.283		.775
No. Days Operating	301	289	12	
No. Shifts & Hours	1-4-129 1-8-172	2-8;1-4		
Avg. Daily Product	737	723	14	
<u>COST OF PRODUCTION</u>				
Labor	1.019	1.482		.463
Supplies	.699	.870		.171
Total	1.718	2.352		.634

BARNES-HECKER MINE

COMPARATIVE MINING COST FOR YEAR

	1 9 2 2	1 9 2 1	INCREASE	DECREASE
PRODUCT	20,526	-		
Underground Costs	3.387			
Surface Costs	.136			
General Mine Accounts	.096			
Cost of Production	3.619			
Taxes	.018			
Central Office	.058			
Contingent Expense	.025			
Idle Expense				
Cost Adjustment	.010			
Cost on Stockpile	3.730			
Loading & Shipping				
Total Cost on Cars	3.730			
No. Days Operating	48			
No. Shifts & Hours	2-8hr			
Avg. Daily Product	428			
COST OF PRODUCTION				
Labor	.818			
Supplies	.728			
Ore produced in Development	2.073			
Total	3.619			

Mine started on operating basis Nov. 1, 1922. 2-8hr 6 days week.

BARNES-HECKER MINE

COMPARATIVE WAGES AND PRODUCT

	1922	1921		
Product	20,313	-		
No.Shifts & Hours	2-8hr			
AVG.NO.MEN WORKING				
Surface	20			
Underground	54			
Total	74			
AVG.WAGES PER DAY				
Surface	3.86			
Underground	4.46			
Total	4.29			
AVG.WAGES PER MO. OF 25 DAYS				
Surface	96.50			
Underground	111.50			
Total	107.50			
PRODUCT PER MEN PER DAY				
Surface	19.16			
Underground	7.64			
Total	5.46			
LABOR COST PER TON				
Surface	.202			
Underground	.584			
Total	.786			
TOTAL NO.OF DAYS				
Surface	1,060 $\frac{1}{4}$			
Underground	2,660 $\frac{1}{2}$			
Total	3,720-3/4			
AMOUNT FOR LABOR				
Surface	4094.02			
Underground	11868.35			
Total	15962.37			

Proportion Surface to Underground Men:

1922 - 1 to 2.7

Mine started on operating basis Nov. 1, 1922. 2-8hr 6 days a week.

MORRIS-LLOYD MINE

COMPARATIVE WAGES AND PRODUCT

	1 9 2 2	1 9 2 1	INCREASE	DECREASE
PRODUCT	221,979	209,034	12,945	
No. Shifts & Hours	1-4;1-8	2-8;1-4		
AVG. NO. MEN WORKING				
Surface	47	47		
Underground	174	229		55
Total	221	276		55
AVG. WAGES PER DAY				
Surface	3.72	4.54		.82-18%
Underground	4.19	5.26		1.07-20%
Total	4.08	5.13		1.05-20.5
WAGES PER MO. OF 25 DAYS				
Surface	93.00	113.50		20.50
Underground	104.75	131.50		26.75
Total	102.00	128.25		26.25
PRODUCT PER MAN PER DAY				
Surface	17.40	18.78		1.38
Underground	5.33	4.22	1.11	
Total	4.08	3.44	.64	
LABOR COST PER TON				
Surface	.214	.242		.028
Underground	.786	1.248		.462
Total	1.000	1.490		.490
AVG. PRODUCT BRK'G & TRM'G	8.85	6.74	2.11	
" WAGES CONTRACT MINERS	4.41	5.64		1.23
" " "	4.41	5.64		1.23
TOTAL NO. OF DAYS				
Surface	12715 $\frac{1}{4}$	11130	1585 $\frac{1}{4}$	
Underground	41618 $\frac{1}{4}$	49595-3/4		8177 $\frac{1}{4}$
Total	54333 $\frac{1}{2}$	60725-3/4		6392 $\frac{1}{4}$
AMOUNT FOR LABOR				
Surface	47387.29	50516.44		3129.15
Underground	174481.44	260903.74		86422.30
Total	221868.73	311420.18		89551.45

Proportion Surface to Underground Men:

1922 - 1 to 3.7  
 1921 - 1 to 4.9  
 1920 - 1 to 4.4  
 1919 - 1 to 4.4  
 1918 - 1 to 4.24

1921  
 2-8hr 6 days a week to Mar 5th;  
 2-8hr 5 " Mar.5 to May 31;  
 1-4hr 6 " June 1st to Dec.31st.

1922  
 1-8hr basis June 5, 1922.

MORRIS-LLOYD MINE.

TIMBER STATEMENT FOR THE YEAR ENDING DECEMBER 31, 1922.

KIND	LINEAL FEET	AVG PRICE PER FOOT	AMOUNT 1922	AMOUNT 1921
6" to 8" Timber	68,525	.0274	1,881.59	4,716.50
8 to 10 "	52,026	.0553	2,876.01	4,289.50
10 to 12 "	34,771	.0689	2,395.30	1,920.49
Total - 1922	155,222	.0461	7,152.90	
Total - 1921	136,239			10,926.49
5' Lagging	255,850	.65	1,663.51	3,062.00
8' "	99,338	.692	687.30	4,547.84
Total Lagging	355,188	.660	2,350.81	7,609.84
3" Poles	176,192	.976	1,720.15	812.45
5/8" Covering Boards	40,257		512.00	
Total - 1922	571,637	.766	4,582.96	
Total - 1921	746,698	1.128		8,422.29

Product		221,979	209,034
Feet timber per ton of ore		.699	.652
" lagging per ton of ore		1.60	3.34
" " per foot of timber		2.29	5.13
Cost per ton for timber		.0322	.0522
" covering boards		.002	
" lagging		.011	.0364
" poles		.008	.0039
" all timber		.0532	.0925
Equivalent of stull timber to Bd.measure		227,301	188,429
Ft.Bd.measure per ton of ore		1.02	.90

Total cost of timber, lagging & Poles	1922	11735.86
	1921	19348.78
	1920	19177.57
	1919	17277.93
	1918	15676.42
	1917	19623.30
	1916	20682.74

NOTE: 1922 Mine operated 4 hrs. per day, 1 shift, Jan, Feb, Mar, Apr, May; Balance of year 8 hrs per day, 1 shift. Development work carried on in Morris shaft through entire year on double shift.

BARNES-HECKER MINE

TIMBER STATEMENT FOR THE TWO MONTHS ENDING DECEMBER 31, 1922.

KIND	LINEAL FEET	AVG. PRICE PER FOOT	AMOUNT	
			1 9 2 2	1 9 2 1
6" to 8" Timber	30,862	.0292	901.16	
8 to 10 "	2,496	.0442	110.38	
10 to 12 "	368	.0883	32.48	
12 to 14 "	1,552	.1361	221.31	
14 to 16 "	528	.1430	75.49	
16 to 18 "	112	.143	16.03	
Total - 1922	35,918	.0377	1,356.85	
5' Lagging	82,025	.780	647.50	
8' "	4,400	.77	33.88	
Total Lagging	86,425	.788	63.38	
Poles	3,200	1.31	41.92	
Total Lagging & Poles - 1922	89,625	.807	723.30	
Product for Two Months			7,016	
Feet Timber per ton of ore			5.119	
" Lagging "			12,318	
" " per foot of Timber			2.406	
Cost per ton for Timber			.193	
" Lagging			.097	
" Poles			.005	
" Timber, Lagging & Poles			.296	
Equivalent of stull timber to Bd.measure			57,047	
Ft.Bd.measure per ton of ore			8.130	
Total cost for Timber, Lagging & Poles 1922-2 months			2080.15	

Mine operating basis Nov.1, 1922.  
Product for 2 months 7016 tons.

MORRIS-LLOYD MINE.

STATEMENT OF EXPLOSIVES USED FOR BREAKING ORE.

KIND.	QUANTITY	AVERAGE PRICE	AMOUNT 1922.	AMOUNT 1921.
40% Powder	127,150	.1433	18,216.50	20,136.62
60% "	7,950	.1893	1,505.18	6,087.10
Total	135,100	.146	19,721.68	26,223.72
Fuse	359,500	6.86	2,465.24	3,012.31
Caps	61,500	11.57	711.54	968.14
Tamping Bags	20,100	2.15	43.21	29.79
Cap Crimpers	44	.61	26.77	24.71
Total Fuse, Etc.			3,246.76	4,034.95
Total Explosives			22,968.44	30,258.67
Product			221,979	209,034
Pounds Powder per ton of ore			.609	.709
Cost per ton for powder			.089	.125
" Fuse, Etc.			.014	.019
" All Explosives			.103	.144
Avg. price per pound for powder			.146	.177

NOTE:

1922 - Mine operated 4 hours per day, 1 shift, Jan. Feb., Mar., April, May.  
 Balance of year 8 hours per day - 1 shift.  
 Development work was carried on in Morris shaft through the entire year, 2 shifts.

BARNES-HECKER MINE.

STATEMENT OF EXPLOSIVES USED FOR BREAKING ORE.

KIND	QUANTITY	AVERAGE PRICE	AMOUNT 1922.
40% Powder	5.400	.1338	722.17
Total Powder	5,400	.1338	722.17
Fuse	22,200'	6.82	151.41
Caps	3,700	11.48	42.46
Cap Crimpers	3	.20	.60
Total Fuse, Etc.			194.47
Total All Explosives			916.64
Product			7,016
Lbs. Powder per Ton of Ore			.769
Cost per Ton for Powder			.103
" " Fuse, Etc.			.028
" " All Explosives			.131
Avg. Price per Lb. for Powder			.133

Mine on operating basis Nov. 1, 1922.  
 " operated 2 - 8hr. shifts.  
 Product - two months - 7,016 tons ore.

BARNES-HECKER MINE.