

ANNUAL REPORT

OF THE

ANGELINE MINE

(1922)

Shipments.

The Angeline Mine remained closed throughout the year, but all the ore in stock was shipped.

Table I.

Shipments from Stock-File.

Hard Ore Bessemer	612 Tons
Angeline Bessemer	27,187 "
Angeline	2,910 "
Angeline Silica	<u>6,133</u> "
Total	36,842 "

Table II.

Estimate of Ore Reserves.

Developed Ore.

Sub-Level	Angeline Bessemer Tons
1318	4,600
1310	5,300
1290	5,000
1274	1,500
1258	<u>2,300</u>
Total	18,700
Less 10% Mining Loss and 10% Rock	<u>3,700</u>
Net Total	15,000

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A factor of 12 cu. ft. per ton was used. All the ore is near No. 56 raise above the fourth level. The estimate is the same as in 1921.

The mine has been abandoned, and the amount of ore in sight is not sufficiently valuable to pay the cost of reopening and extraction.

Pumping.

Up to February 15th the underground pump was operated by the Oliver Iron Mining Co. On February 15th this pump was removed and sent to the Holmes Mine to be overhauled, and the motor was sent to the Hard Ore Shops. After this date all pumping was done by the Oliver Iron Mining Co., with two Layne & Bowler pumps installed in the cage compartment.

Top-Tram.

The top-tram motor was taken to the Dead River Storage Dam in November.

Location.

General repairs were made to all the houses in the location, and all the houses were painted. Improvements were also made in sewage-disposal for some of the houses, which previously had had cess-pools.

Danmaseuth
Bond
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ANGELINE MINE

AVERAGE MINE ANALYSIS ON OUTPUT FOR YEAR 1922.

GRADE	IRON	PHOS.	SILICA
"D" Shft. Angeline Hard Bessemer,	(No Production)		
"D" Shft. Angeline,	(No Production)		
"D" Shft. Angeline Silica,	(No Production)		

AVERAGE ANALYSIS ON STRAIGHT CARGOES FOR YEAR 1922.

GRADE	Mine		Lake Erie	
	IRON	PHOS.	IRON	MOIST.
"D" Shft. Angeline Hard Bessemer,	(All Mixed)			
"D" Shft. Angeline,	(All Mixed)			
"D" Shft. Angeline Silica,	(All Mixed)			

ORE STATEMENT - DECEMBER 31ST, 1922.

	"D" SHFT.	"D" SHFT.	"D" SHFT.	"D" SHFT.	TOTAL	TOTAL
	BESSEMER	ANGELINE	ANGELINE SILICA	HARD BESSEMER		
On hand Jan. 1, 1922,	28,306	3,810	6,432	746	39,294	17,294
Output for Year,	-	-	-	-	-	22,000
Stockpile Shortage,						-
Total,	27,187	2,910	6,133	612	36,842	39,294
Shipments,	27,187	2,910	6,133	612	36,842	-
Balance on Hand,	-	-	-	-	-	39,294
Decrease in Output,						24,452
Decrease in Ore on Hand,						39,294

1922 -- Mine idle all Year.

1921 -- 2-8 Hour Shifts Jan. 1st to June 1st, 1921.
Mine closed May 31st, 1921.

ANGELINE MINE
SHIPMENTS FOR YEAR 1922.

GRADE	POCKET	STOCKPILE	TOTAL	TOTAL LAST YEAR
"D" Shaft Bessemer,	-	27,187	27,187	-
"D" Shaft Angeline,	-	2,910	2,910	-
"D" Shaft Angeline Silica,	-	6,133	6,133	-
"D" Shaft Hard Bessemer,	-	612	612	-
Total,	-	36,842	36,842	-
Total Last Year,	-	-	-	
Increase,			36,842	

Damascus
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ANGELINE MINE

COMPARATIVE WAGES AND PRODUCT

	1 9 2 2	1 9 2 1		
Product	2,452	22,000		
No.Shifts & Hours		2-8hr		
AVG. NO. MEN WORKING				
Surface		8		
Underground		24		
Total		32		
AVG.WAGES PER DAY				
Surface	6.15	4.75		
Underground		5.46		
Total	6.15	5.27		
WAGES PER MO. OF 25 DAYS				
Surface		118.75		
Underground		136.50		
Total		131.75		
PRODUCT PER MAN PER DAY				
Surface		8.96		
Underground		3.16		
Total		2.33		
LABOR COST PER TON				
Surface		.530		
Underground		1.730		
Total		2.260		
AVG.PRODUCT BRK'G & TRM'G		4.13		
" WAGES CONTRACT MINERS		5.54		
" " " TRAMMERS		5.54		
TOTAL NO. OF DAYS				
Surface	22	2454-3/4		
Underground		6972-3/4		
Total	22	9427-1/2		
AMOUNT FOR LABOR				
Surface	135.39	11651.17		
Underground		38069.39		
Total	139.39	49720.56		

Abandoned June 1, 1921.

1922 is for proportion of clerk only.