

SHAWMUT MINING COMPANY
Application of Yardage Rates - December, 1935

PROCTOR NO.1

HEADING NAME	MAIN HEADINGS							BACK HEADINGS							HEADING CROSS CUTS						
	Heading Width	Heading Height	Coal Height	Rock Height	Cost At .075/ Per Inch	Rib Yardage	Total Cost Per Yard	Heading Width	Rock Width	Rock Height	Heading Height	Cost At .054/ Per Inch	Rib Yardage	Total Cost Per Yard	Cross Cut Width	Rock Width	Rock Height	Cross Cut Height	Cost At .054/ Per Inch	Rib Yardage	Total Cost Per Yard
First Right	10'	90"	40"	50"	\$3.90	1.255	\$5.16	18'	8'	14"	54"	\$.76	1.255	\$2.01	12'	8'	14"	54"	\$.76	1.255	\$2.01
Second Right	10	91	36	55	4.29	1.255	5.55	15	7	14	50	.76	1.255	2.01	12	8	14	50	.76	1.255	2.01
Third Right	10	77	39	39	2.96	1.255	4.22	15	9	12	51	.65	1.255	1.90	13	8	12	51	.65	1.255	1.90
Fourth Right	10	81	39	42	3.28	1.255	4.53	15	8	15	54	.81	1.255	2.07	12	8	15	54	.81	1.255	2.07
Fifth Right	10	88	38	50	3.90	1.255	5.16	x													
First Left off First Cross	10	103	39	65	5.07	1.255	6.33	12	8	15	53	.81	1.255	2.07	12	7	15	53	.81	1.255	2.07
Second Left off First Cross	10	79	42	36	2.91	1.255	4.06	15	8	12	54	.65	1.255	1.90	13	8	12	54	.65	1.255	1.90
First Cross	10	85	42	43	3.35	1.255	4.61	15	8	14	56	.76	1.255	2.01	12	8	14	56	.76	1.255	2.01
Main	10	89	39	50	3.90	1.255	5.16	10	9	44	33	2.33	1.255	3.63	12	7	12	51	.65	1.255	1.90
First Left No. 4	10	104	39	66	5.15	1.255	6.40	15	8	15	53	.81	1.255	2.07	12	8	15	53	.81	1.255	2.07
Second Left No. 2	10	76	40	36	2.81	1.255	4.06	18	8	18	58	.97	1.255	2.23	13	8	18	58	.97	1.255	2.23
Third Left	10	79	42	36	2.91	1.255	4.06	20	8	18	61	.97	1.255	2.23	18	8	24	67	1.30	1.255	2.55
Fourth Left	10	72	36	36	2.81	1.255	4.06	18	8	17	53	.92	1.255	2.17	15	8	17	53	.92	1.255	2.17
Average	10	85	39	46	3.52	1.255	4.87	16	8	17	56	.94	1.255	2.19	12	8	15	54	.82	1.255	2.07
Application October, 1935 Agreement Rates					3.54		3.76					.75		.97					.66		.88

PROCTOR NO. 2

First Left	11	86	36	50	3.90	1.255	5.16	15	8	12	48	.65	1.255	1.90	10	8	15	51	.81	1.255	2.07	
Second Left	10	80	36	44	3.39	1.255	4.65	17	10	13	49	.70	1.255	1.96	12	10	14	50	.76	1.255	2.01	
Third Left	10	93	40	53	4.13	1.255	5.39	17	7	13	53	.70	1.255	1.96	12	8	14	54	.76	1.255	2.01	
Fourth Left	10	78	38	40	3.12	1.255	4.39	16	9	14	52	.76	1.255	2.01	10	8	15	53	.81	1.255	2.07	
Fifth Left	11	76	40	36	2.91	1.255	4.06	17	8	12	52	.65	1.255	1.90	12	9	13	53	.70	1.255	1.96	
Sixth Left	12	72	36	36	2.81	1.255	4.06	17	9	14	50	.76	1.255	2.01	10	6	12	48	.65	1.255	1.90	
Seventh Left	11	73	38	34	2.65	1.255	3.91	18	6	24	62	1.20	1.255	2.55	12	6	14	52	.76	1.255	2.01	
Eighth Left	11	77	41	36	2.81	1.255	4.06	15	4	12	53	.65	1.255	1.90	12	4	12	53	.65	1.255	1.90	
First Right	10½	91	38	53	4.13	1.255	5.39	16	7½	11	49	.59	1.255	1.85	12	8	12	50	.65	1.255	1.90	
Third Right	10	78	38	40	3.12	1.255	4.38	15	7	12	50	.65	1.255	1.90	11	7	12	50	.65	1.255	1.90	
Fifth Right	10	76	36	40	3.12	1.255	4.39	14	8	13	49	.70	1.255	1.96	12	7½	14	50	.76	1.255	2.01	
Sixth Right	10	82	38	44	3.39	1.255	4.65	14	7½	14	52	.76	1.255	2.01	11½	7	14	52	.76	1.255	2.01	
Second Left Cross	10	81	37	44	3.39	1.255	4.65	14	7½	14	51	.76	1.255	2.01	12	8	14	51	.76	1.255	2.01	
Fourth Butt Main	10½	89	36	53	4.13	1.255	5.39	#						11	7½	12	48	.65	1.255	1.90		
First Right Cross	11	81	36	45	3.51	1.255	4.77	15	8	14	50	.76	1.255	2.01	13	8	14	50	.76	1.255	2.01	
Average	10½	91	39	43	3.36	1.255	4.62	16	7	14	52	.74	1.255	1.99	11	8	13	51	.73	1.255	1.98	
Application October, 1935 Agreement Rates					3.31		3.53					.62		.84					.57		.79	

NO.5 MIDDLE KITTANNING

Straight	10	76	30	46	.077 .0825	.220	3.76	14	14	18	48	.044 .044	.220	1.01	12	6	22	52	.044 .044	.220	1.12
South Face	10	79	30	49	4.04	.220	4.26	16	16	17	47	.75	.220	.97	12	6	18	48	.79	.220	1.01
North Face	10	86	30	56	4.62	.220	4.84	#							12	6	28	58	1.23	.220	1.45
First Right off North Face	10	76	30	46	3.54	.220	3.76	18	8	22	52	.97	.220	1.12	12	6	19	49	.84	.220	1.05
Second Right off North Face	10	80	30	50	3.96	.220	4.18	16	12	17	47	.75	.220	.97	12	6	18	48	.79	.220	1.01
Third Right off North Face	10	79	30	49	3.77	.220	3.99	12	12	30	60	1.32	.220	1.54	12	6	29	59	1.27	.220	1.49
Fourth Right off North Face	10	85	30	55	4.24	.220	4.46	15	15	12	42	.53	.220	.75	12	6	14	44	.62	.220	.84
First Left off North Face	10	84	30	54	4.16	.220	4.38	13	8	29	59	1.27	.220	1.49	o						
First Right off South Face	10	76	30	46	3.46	.220	3.68	#							12	6	24	54	1.06	.220	1.28
Second Right off South Face	10	75	30	45	3.46	.220	3.68	#							12	6	24	54	1.06	.220	1.28
Third Right off South Face	10	79	30	49	3.77	.220	3.99	#							12	6	15	45	.66	.220	.88
Fourth Right off South Face	10	79	30	49	3.77	.220	3.99	#							12	6	18	48	.79	.220	1.01
Average - October, 1935 Agreement Rates	10	79	30	49	3.86	.220	4.08	15	12	21	51	.91	.220	1.34	12	6	21	51	.92	.220	1.14

NO.5 LOWER KITTANNING

Seventeenth Right	10	67	39	28			3.98	14	6	8	47			1.42	12	5	8	47			1.42
Face Heading off Seventeenth Right	10	67	39	28			3.98	14	6	8	47			1.42	12	5	8	47			1.42
Eighteenth Right Cross	10	67	33	34			3.98	14	6	8	41			1.42	12	5	8	41			1.42
Twentieth Right	10	66	32	24			3.98	14	6	8	40			1.42	12	5	8	40			1.42
Twenty-first Right	10	69	30	39			3.98	14	6	10	40			1.42	12	5	10	40			1.42
Twenty-second Right	10	69	30	39			3.98	14	6	10	40			1.42	12	5	10	40			1.42
Second Right off Crs. Hdg. off 6th R.	11	69	28	41			3.98	18	9	18	46			1.42	10	8	18	46			1.42
Cross off 6th Left off No. 3 Straight	12	72	27	45			3.98	27	5	15	42			1.42	o						
Twenty-fifth Right	11	70	29	41			3.98	15	6	20	49			1.42	o						
First Right off Seventeenth Right	10	70	29	41			3.98	*													
First Left off Cross off 6th Left	10	67	27	40			3.98	*													
First Left off South Face	10	70	29	31			3.98	*													
Average	10	68	32	36			3.98	16	6	12	43			1.42	12	5	10	43			1.42
Application October, 1935 Agreement Rates							2.99					.53		.75					.44		.66

LEGEND: # Back Headings driven High Heading height and used as Development Headings
x Main Heading just turned and no Back Heading developed yet
o Back Heading just turned and no Cross Cut driven yet
* Projected Headings

COMPARISON OF APPLICATION OF TOTAL COMPANY YARDAGE RATES AND TOTAL AGREEMENT YARDAGE RATES ON A PER INCH BASIS

	MAIN HEADINGS		BACK HEADINGS		CROSS CUTS	
	Company	Agreement	Company	Agreement	Company	Agreement
Proctor No. 1	.105	.082	.13	.057	.14	.059
Proctor No. 2	.107	.082	.14	.059	.15	.061
No. 5 Middle Kittanning	.082	.082	.064	.064	.054	.054
No. 5 Lower Kittanning	.11	.083	.12	.062	.14	.066

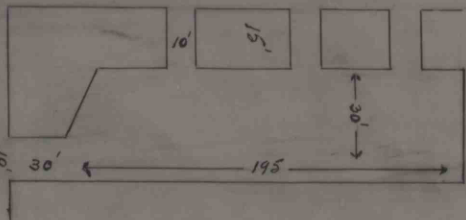
Comparison of Cost in Application of Agreement Room Yardage Rates and Company Rates

Company Rate..... .054/ per inch
Top taken in Roadway average 13" for 71 yds. @ .054/ \$49.84
Agreement Rates:
Rib Yardage Room Neck and Cross Cuts- 25 yds. @ .22/ 5.50
Top taken in Roadway average 13" for 71 yds. @ .044/ 40.61
\$46.11

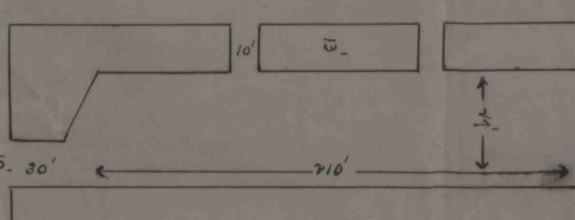
Company Rate..... .072/ per ton
Tonnage Room Neck and Cross Cuts - 47 tons @ .072 \$3.38
Tonnage Room..... 422 " " 50.35
\$53.73
Agreement Rates:
Rib Yardage Room Necks and Cross Cuts- 19 yds. @ 22/ 4.18
Bottom taken in Room Way- 12" for 76 yds. @ .044/ 40.12
per inch \$44.30

Company Rate..... .072/ per ton
Tonnage Room Neck and Cross Cuts - 67 tons @ .072 \$4.73
Tonnage Room..... 808 " " 58.17
\$62.90
Agreement Rates:
Rib Yardage Room Necks and Cross Cuts- 22 yds. @ .22/ 4.84
Bottom taken in Double Road Way -8" for each 76 yds. @ .044/ 53.50
per inch \$58.34

PROCTOR NO. 1 & NO.2



NO. 5 MIDDLE KITTANNING



NO. 5 LOWER KITTANNING

