1200 0939

Monthly mul reports with Bry WS Palmer (

Hem 50

DATA ON COSTS FOR THE MACKAY SCHOOL OF MINES.

1. The standard wage scale of Virginia City for 1926 for mine employees. Synopsis of bonus methods.

Miners Timbermen Muckers	\$5.25 5.25 4.75	Av. with	bonus	#5.37
Hoist Engineers	6.00			
Shift Bosses	6.50			
Pipe men	6.00			
Surface Labor	4.50			
Carpenters	6.00			
Blacksmiths Electricians	6.00			
Pipemen	5.75			
Motormon	5.75			

2. Power- Main points in power schedule:

Item 1. For power and all other purposes except that "connected lighting load" is not to exceed 10% of "other connected load".

Item 2. RATES FOR IOW VOLTAGE POWER.

Power to be metered on low tension side of company's distributing transformers.

(a) Service charge of \$2.40 per month per kilowatt of active demand. Active demand is to be measured by a maximum demand meter and to be taken as highest fifteen minute demand during the month for which bill is rendered.

\$b\$ Plus a KWH charge of:

First 3000 KMR @ 1.6 cents per KMR Bext " " 1.4 " " " " Rext " " " 1.0 " " " " All over 12,000 " " 0.8 " " "

(c) MINIMUM MONTHLY CHARGE.

Seme as service charge.

(a) Discount.

Promot payment discount of 20 cents per KW of demand on all bills paid on or before the 10th day of month following that for which bill is rendered.

(e) PERMITTED.

Then power factor averages less than 80% during any month, demand charge to be increased for that month by 10 for each 15 of average power factor less than 80%.

Itom S. RATES FOR HIGH VOLTAGE POWER.

Power to be furnished at either 2200, 4100, 23000 or 60000 volts.

(a) Charges to be figured on the came basis as for

Discout of 10% when customer owns high voltage transformers (Frimary volts 60,000, 28,000 or 18600).

Discount of 10% when customer owns distributing transformers (2200) volte primary) if Company measures power at 2200 volte or 4100 volts.

Discount of 8% when Power Company owns distributing transformers (2200 volt primary) if company measures power at 2200 volts or 4100 volts)

Discount of 5% when quetomer owns distributing transformers (2200 volt primary) if company measures power on low tension side of transformers.

3. Supplies- f.o.b. Virginia City-

Haterial .	Kind ond Sine	Unit	Cost
Timbor, Stulls Logging Dimonuion	9" diem. Mine timber Mine timber	2000 Ba 2t.	0 .13 28.50 29.00
Postor Capo Fano	Beroules California (8 Comot (8 Special	Ton Caso(5000) Reel(3000*#	
Trock	16 poundo	Son	70.00
Ventilating page	10' sise	J'oot	2.00
Iron Pipe	2"	100 foot	20.30 9.35 5.20
Blacksmith coel Gracible drill sta Air Hose Wire unter hose Carbide	oel 7/8" 8" Goodyear 8" Wire Wrapped	Ton Out. Foot Foot Ten	21.75 14.41 .33 .21

4. MILL

Wage	scale at the mill:	
	Roustabouts	\$4.50
	Operators	5.25
	Shifters	6.00
	Repairmen	6.00

Supplies- f.o.b. Virginia City-

Material	Kind	Unit	Cost
Gyratory Mantles Concaves	American Manganose	Pound "	\$.16 .19
Roll Shells	Columbia	•	.11
Ball Mills, Shell End Liners Balls	American Manganese Noffman St. Louis	# # # # # # # # # # # # # # # # # # #	.087 .087 .039 .041
Filter canvas	#6 Cotton duck, 78" wide	Yard	1.11
Cyanide	Areo Brank	Ton	320.00
Limo	Pacific Lime & Plaster	Ton	17.25
Zinc Dust	Merrillite John Pinn	Pound	.125 .113
Litharge	Formula #51		.122
Acid- HCl		Carboy	4.39
Fuel Oil		100 gal.	5.83

Virginia City, Neveda, Nov. 12, 1925.

Mr. H. W. Seamon, Mine Superintendent, Comstock Merger Mines, Inc., Virginia City, Nevada.

Dear Sir:

Herewith is a copy of the Bonus rates and allowances which have been arrived and used in figuring the recent bonus petalements. With the copy of rates is a copy of the instructions for using them.

The original rate for Top-slicing was 4.5 tons per man-shift, irrespective of the difference in timbering, mucking and other conditions, which would tend to make this rate too high in some cases and too low in others. In order to give each stope an average rate each period that would include allowances for favorable or unfavorable conditions, a system of rates and allowances has been arrived at from both observations made here and data had at hand.

Since the adoption of the present system, the average rates in Topslices, computed by dividing tomnage produced by total Allowed shifts, are
between 3.7 tons per man shift and 5.5 tons per shift, the average rate of all
stopes for the past two months being about 4.4 tons per shift. The low rate
of 3.7 was used where all sets were spiled and the muck was moved by wheelbarrow
for a distance over fifty feet; the other rate of 5.5 was given to a slice where
all sets were regular and the muck was moved by scraper.

At present, the base rate for slicing includes mining and scraping or hand-mucking into chute; allowances being made for timber, wheelbarrow or car tram, mucking to scraper-way and, lastly, temperature. The temperature is taken just once in each period in each working face, as it has been found that the temperature remains unchanged except in the case of breaking through into other workings.

The rates for Development and Preparation headings remain unchanged, except for the addition of rates for tramming distances greater than 100 feet. These rates have worked out very satisfactorily and moreover are already posted, which would make it inadvisable to change them.

Previous to the adoption of this system of rates and allowances, several ideas were tried out, such as the rating on the basis of standard sets of ground removed, individual tennage rates for each stope, etc., but due to the disadvantage of collecting data not regularly reported and the inconsistencies of mining in slices, these were discarded.

The following rates and allowances, though not exactly accurate, are believed to be within the limits of error that can be allowed to standards for very

changeable conditions such as exist here.

Yours very truly.

BONUS RATES & ALLOVANCES

PRODUCTI ON

P-SLICING Base Rate- (Mining	and Geraning	r Shovelling	less than 201	1
	from chute-			
50° to 100°	TT ON CTITE DE	nic management and an electrical state of the same and th	6	34 14
30. 60 100.	11		6.0 "	
100, £0 150,	400000000000000000000000000000000000000		0.0	
Allowances				
(A)-Timber:				
1-Sets of Timbe	2 7 min		-A1.0 shi	ts/set
2-Spiling				ts/set-
3-Posts and Sta			-d4 shi	
			1 1	
(B) -Wheel barrow:	I the state of annual		_	
1- 0' to 50'-			70%	
2- 50° to 100°			60%	
2- 30' to 100'.	THE GRAN HALL HALL HALL HALL WHITE THE TATE WHEN CHIEF WHITE BEAUTIFUL TO	/		
3-100' to 150'.			53%	1
(C)-Car Trem in S		czences		ν.
1-Less than 100			92%	
2-More than 100)*		87%	
		(/ /		
(D)-Mucking to so	raper-way:			
1-Not more than	a 2 offsets-		35 tons	s/shift
(E)-Temperature:	Let 800-909	rel. humidit	v)	
124) Therefore the same of	Circulat			
1-Less than 80			77	
2-80 deg. to 8			10%	
3-85 " " 96		11%	i4%	
			19%	
4-90 " " 9!	12) - 18/0-		
5-95 " " 100	18	1 -22/0	25%	
OW CAVING				
	^			
Base Rete- Mining	or Polling tir	nbers and Muck	ing)	
Less than 50*	- independence	the same with homestary spirit and with respect to the same of the	9.0 to	ms/man
50 to 100'-			8.5	78
100, 40 150,-		-	8.0	**
frank				
Allowances:				
	iven above	mder Ton-Slie	ing for	
	ad Barrow cond			
Lamberg out a m	id bellon cour	r of Airps		
MARE SET STOPING				
	a saw Thomas Indian in the	oto stone chit	Pat I	
Base Rate- (Mining	The state of the s	san pache erme		1
	The state of the s	270 27020 01111		ons/man

Make allowances for old timber and large boulders.

BONUS BATHS AND ALLOWANCES

PRODUCTION

Allowar	a) - There smoured) - Small () - Muck fine, aces: For greatence of	e muck at of o l amoun is mos , granu ater tr 2 minu	is com ld tim t of b tly sm lar fi ssming tes pe	pact a ber- lastin all si lling- dista r car	g is requert se quart nees the	uired- iz, dry a	ander 200 appreciation with	20.0 allow-	
•	convert	to shi	rts or	400 m	inutes.		11		
site the site of the time the was the to	***	to one will the calc with the	the site was not not	the way of the sale was	A 40 A 40 A 40 A 40 A	man was a se	- land	is aim hije tille tille alle ande side tilde all	***************************
THE THE WAY THE THE THE THE THE THE THE THE	en all also make the sales of	· · · · · · · · · · · · · · · · · · ·	and the state of	and other sides rate this	and the sale was the wife will	L	A sea some day	and the same of the same of the	ाक जा बार बार दर तह हो। बार बुद्धे क्षेत्रे
				aevar	OPLICATE A	CACREE S	MIT ON	1	
				EACH V.CAL	TANDAL E	ALE ACHE L W		>	
DRIFTS & Z	CUTS				1		1	V	
	-	Open		Tim	bered	SI	piled	Boom	red
5 x 7	7*	0.85		7	1.2/	1 -	1.4	—1.	AND ADDRESS.
Large	•	1.0		/	1.8		1.5.	1.	7
			Jan 1	(\ /				
RAISES				1		/			
					1		imall	Lar	.ge
		Open		Squa	re Set	1 61	gaidding	Crit	bing
4' x 7		0.9		1	1.2		1.4	1.	
5' x 9) Y	1.0	1	1	1.4	V	1.7	2.	0
The state of the s			/	1	1				
WINZES				G	100		- 2		
4' x 7	7 %	Open	1	Squa	re Set		k direction		
5' x 9		2.0	1		5.0				
J A 3		Ace of	1		0.0			Page 100	
		1		\					
Where no r	exilar	trazme	rs are	used	for tram	ming fro	m chutes	or head	ings, the
following									
1	(. <	1						
(100	300	500	700	900	1100	1300	1500	1700
Tram. Dist		to	/ to/	to	to	to	to	to	to
	200	500/	796	900	1100	1300	1500	1700	1900
Attendance of the second secon			./						
			/			E MANAGEMENT		\#	
Size				Shift	s per fo	ot advar	ice		
E	0 00	0 20	A 23	(3 P2 A	0 68	0 80	0.43		0 40
5' x 7' 6' x 8'	0.26	0.28	0.51	0.34	0.37	0.39	0.41	0.44	0.46
8, x 9,	0.53	0.58	0.42	0.46	0.50	0.54	0.58	0.62	0.65
O. Y 3.	4.00	V. 00	4.00	0.03	We FD	U-02	0.60	V. 30	1.12

Note- The above rates for Drifts, Kouts, Raises and Winzes are given in SHIPTS PER FOOT ADVANCE.