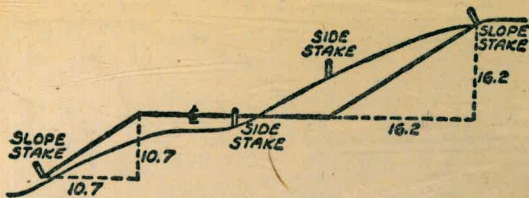


BLACK CANYON TUNNEL
PERSONNEL #1.

W 845-E



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING
SLOPE 1 TO 1. ROADWAY OF ANY WIDTH

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	0
1	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	1
2	2.00	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	2.90	2
3	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	3
4	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70	4.80	4.90	4
5	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70	5.80	5.90	5
6	6.00	6.10	6.20	6.30	6.40	6.50	6.60	6.70	6.80	6.90	6
7	7.00	7.10	7.20	7.30	7.40	7.50	7.60	7.70	7.80	7.90	7
8	8.00	8.10	8.20	8.30	8.40	8.50	8.60	8.70	8.80	8.90	8
9	9.00	9.10	9.20	9.30	9.40	9.50	9.60	9.70	9.80	9.90	9
10	10.00	10.10	10.20	10.30	10.40	10.50	10.60	10.70	10.80	10.90	10
11	11.00	11.10	11.20	11.30	11.40	11.50	11.60	11.70	11.80	11.90	11
12	12.00	12.10	12.20	12.30	12.40	12.50	12.60	12.70	12.80	12.90	12
13	13.00	13.10	13.20	13.30	13.40	13.50	13.60	13.70	13.80	13.90	13
14	14.00	14.10	14.20	14.30	14.40	14.50	14.60	14.70	14.80	14.90	14
15	15.00	15.10	15.20	15.30	15.40	15.50	15.60	15.70	15.80	15.90	15
16	16.00	16.10	16.20	16.30	16.40	16.50	16.60	16.70	16.80	16.90	16
17	17.00	17.10	17.20	17.30	17.40	17.50	17.60	17.70	17.80	17.90	17
18	18.00	18.10	18.20	18.30	18.40	18.50	18.60	18.70	18.80	18.90	18
19	19.00	19.10	19.20	19.30	19.40	19.50	19.60	19.70	19.80	19.90	19
20	20.00	20.10	20.20	20.30	20.40	20.50	20.60	20.70	20.80	20.90	20
21	21.00	21.10	21.20	21.30	21.40	21.50	21.60	21.70	21.80	21.90	21
22	22.00	22.10	22.20	22.30	22.40	22.50	22.60	22.70	22.80	22.90	22
23	23.00	23.10	23.20	23.30	23.40	23.50	23.60	23.70	23.80	23.90	23
24	24.00	24.10	24.20	24.30	24.40	24.50	24.60	24.70	24.80	24.90	24
25	25.00	25.10	25.20	25.30	25.40	25.50	25.60	25.70	25.80	25.90	25
26	26.00	26.10	26.20	26.30	26.40	26.50	26.60	26.70	26.80	26.90	26
27	27.00	27.10	27.20	27.30	27.40	27.50	27.60	27.70	27.80	27.90	27
28	28.00	28.10	28.20	28.30	28.40	28.50	28.60	28.70	28.80	28.90	28
29	29.00	29.10	29.20	29.30	29.40	29.50	29.60	29.70	29.80	29.90	29
30	30.00	30.10	30.20	30.30	30.40	30.50	30.60	30.70	30.80	30.90	30
31	31.00	31.10	31.20	31.30	31.40	31.50	31.60	31.70	31.80	31.90	31
32	32.00	32.10	32.20	32.30	32.40	32.50	32.60	32.70	32.80	32.90	32
33	33.00	33.10	33.20	33.30	33.40	33.50	33.60	33.70	33.80	33.90	33
34	34.00	34.10	34.20	34.30	34.40	34.50	34.60	34.70	34.80	34.90	34
35	35.00	35.10	35.20	35.30	35.40	35.50	35.60	35.70	35.80	35.90	35
36	36.00	36.10	36.20	36.30	36.40	36.50	36.60	36.70	36.80	36.90	36
37	37.00	37.10	37.20	37.30	37.40	37.50	37.60	37.70	37.80	37.90	37
38	38.00	38.10	38.20	38.30	38.40	38.50	38.60	38.70	38.80	38.90	38
39	39.00	39.10	39.20	39.30	39.40	39.50	39.60	39.70	39.80	39.90	39
40	40.00	40.10	40.20	40.30	40.40	40.50	40.60	40.70	40.80	40.90	40
41	41.00	41.10	41.20	41.30	41.40	41.50	41.60	41.70	41.80	41.90	41
42	42.00	42.10	42.20	42.30	42.40	42.50	42.60	42.70	42.80	42.90	42
43	43.00	43.10	43.20	43.30	43.40	43.50	43.60	43.70	43.80	43.90	43
44	44.00	44.10	44.20	44.30	44.40	44.50	44.60	44.70	44.80	44.90	44
45	45.00	45.10	45.20	45.30	45.40	45.50	45.60	45.70	45.80	45.90	45
46	46.00	46.10	46.20	46.30	46.40	46.50	46.60	46.70	46.80	46.90	46
47	47.00	47.10	47.20	47.30	47.40	47.50	47.60	47.70	47.80	47.90	47
48	48.00	48.10	48.20	48.30	48.40	48.50	48.60	48.70	48.80	48.90	48
49	49.00	49.10	49.20	49.30	49.40	49.50	49.60	49.70	49.80	49.90	49
50	50.00	50.10	50.20	50.30	50.40	50.50	50.60	50.70	50.80	50.90	50

Distance of slope stake from side or shoulder stake for any width roadway, slope 1 to 1. If ground is nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body of table in same row and column gives distance from side stake to slope stake. If ground is not level estimate the difference in elevation between the side stake and slope stake, lower target by this amount if cut, elevate if fill. Add this amount to cut or fill and distance in table. Set up rod at this point, and line of sight should cut target. If it does not make the slight adjustment necessary.



EARL E. HIGLEY
OFFICE MANAGER.
JAN. 8 TO MARCH 12, '33.
WENT TO ADEN, ARABIA, TO WORK.

TABLE XIII—CORRECTIONS FOR TANGENTS AND EXTERNALS

These corrections are to be added to the approximate values, found by dividing the tangent, or external, for a 1° curve (Table VIII) by the degree of curve, in order to obtain the true tangents, or externals. Intermediate values may be obtained by interpolation.

FOR TANGENTS ADD

Central Angle	DEGREE OF CURVE													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.03	.06	.09	.13	.16	.19	.22	.25	.28	.31	.34	.38	.42	.46
15°	.04	.10	.14	.19	.24	.29	.34	.39	.45	.51	.53	.58	.63	.68
20°	.06	.13	.19	.26	.32	.39	.45	.51	.58	.65	.72	.79	.84	.90
25°	.08	.16	.24	.33	.40	.49	.58	.67	.75	.83	.90	.99	1.06	1.14
30°	.10	.19	.29	.39	.49	.59	.69	.79	.89	.99	1.09	1.20	1.29	1.39
35°	.11	.22	.34	.47	.58	.69	.79	.81	.92	1.04	1.29	1.42	1.54	1.66
40°	.13	.26	.40	.53	.67	.80	.93	1.06	1.20	1.34	1.49	1.64	1.79	1.94
45°	.15	.30	.44	.60	.76	.91	1.06	1.21	1.37	1.52	1.70	1.87	2.04	2.21
50°	.17	.34	.51	.68	.85	1.02	1.19	1.36	1.54	1.72	1.91	2.10	2.29	2.48
55°	.19	.38	.57	.76	.95	1.14	1.32	1.52	1.72	1.92	2.14	2.35	2.56	2.77
60°	.21	.42	.63	.84	1.05	1.27	1.49	1.71	1.94	2.17	2.38	2.60	2.83	3.07
65°	.23	.46	.69	.93	1.16	1.40	1.64	1.88	2.13	2.38	2.63	2.88	3.13	3.39
70°	.25	.51	.76	1.02	1.28	1.54	1.80	2.06	2.33	2.60	2.88	3.16	3.44	3.72
75°	.27	.56	.83	1.12	1.40	1.69	1.98	2.27	2.57	2.87	3.16	3.47	3.78	4.09
80°	.30	.61	.91	1.22	1.53	1.84	2.15	2.46	2.78	3.10	3.44	3.78	4.12	4.46
85°	.33	.66	1.00	1.33	1.68	2.02	2.36	2.70	3.05	3.40	3.77	4.14	4.55	4.89
90°	.36	.72	1.09	1.45	1.83	2.20	2.57	2.94	3.32	3.70	4.10	4.50	4.91	5.32
95°	.39	.79	1.19	1.55	2.00	2.40	2.80	3.20	3.61	4.02	4.40	4.98	5.38	5.83
100°	.43	.86	1.30	1.74	2.18	2.62	3.06	3.50	3.95	4.40	4.88	5.37	5.85	6.34
110°	.51	1.03	1.56	2.08	2.61	3.14	3.67	4.21	4.76	5.31	5.86	6.43	7.01	7.60
120°	.62	1.25	1.93	2.52	3.16	3.81	4.45	5.11	5.77	6.44	7.12	7.80	8.50	9.22

FOR EXTERNALS ADD

Central Angle	DEGREE OF CURVE													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.001	.003	.004	.006	.007	.008	.009	.011	.012	.014	.015	.017	.018	.020
15°	.003	.007	.010	.014	.018	.023	.027	.029	.032	.035	.039	.043	.047	.051
20°	.006	.011	.017	.022	.028	.034	.038	.045	.051	.057	.063	.070	.076	.083
25°	.009	.018	.027	.036	.046	.056	.065	.074	.083	.093	.106	.120	.127	.135
30°	.013	.025	.038	.051	.065	.078	.090	.103	.116	.129	.149	.170	.179	.188
35°	.018	.035	.054	.072	.086	.109	.131	.153	.175	.197	.213	.230	.247	.264
40°	.023	.046	.070	.093	.117	.141	.172	.203	.234	.265	.277	.290	.315	.341
45°	.030	.060	.093	.119	.153	.184	.216	.254	.289	.325	.351	.378	.411	.445
50°	.037	.075	.116	.151	.189	.227	.266	.305	.345	.384	.425	.467	.508	.550
55°	.046	.093	.142	.188	.236	.283	.332	.381	.420	.479	.530	.582	.641	.700
60°	.056	.112	.168	.225	.283	.340	.398	.457	.516	.575	.636	.697	.774	.851
65°	.067	.135	.204	.273	.343	.412	.483	.554	.625	.697	.771	.845	.922	1.01
70°	.080	.159	.240	.321	.403	.485	.568	.652	.735	.819	.906	.994	1.08	1.17
75°	.095	.182	.286	.383	.480	.578	.678	.777	.877	.977	1.07	1.18	1.29	1.39
80°	.110	.220	.332	.445	.558	.671	.787	.903	1.02	1.13	1.25	1.38	1.50	1.62
85°	.128	.259	.391	.524	.657	.790	.926	1.06	1.20	1.34	1.47	1.62	1.76	1.91
90°	.149	.299	.450	.603	.756	.910	1.07	1.22	1.38	1.54	1.70	1.87	2.03	2.20
95°	.174	.350	.522	.706	.885	1.06	1.25	1.43	1.62	1.80	1.99	2.18	2.38	2.58
100°	.200	.401	.604	.809	1.01	1.22	1.43	1.64	1.85	2.06	2.28	2.50	2.73	2.96
110°	.268	.536	.806	1.08	1.35	1.63	1.91	2.20	2.48	2.76	3.05	3.35	3.66	3.96
120°	.360	.721	1.08	1.45	1.82	2.19	2.57	2.95	3.33	3.72	4.11	4.50	4.91	5.32

NOTE: TIME SHOWN IS EXCLUSIVE OF
SUB-CONTRACT WORK IN EXCAVATING
SOUTH PORTAL APPROACH.
RATES GIVEN ARE HOURLY.

SALARIES ARE AS FOLLOWS. (NO OVERTIME PAY)

PROJECT MANAGER: \$ 500. PER MONTH + EXPENSES.

SUPERINTENDENT: \$ 175. PER WEEK.

OFFICE MANAGER. \$ 600. PER MONTH.

MECHANIC \$ 120. PER WEEK.

SHIFTERS \$ 125. PER WEEK.

MUCKER OPERATORS \$ 2.74 PER HR.

DINKY " " 2.58 " "

COMPRESSOR " " 2.24 " "

MINERS 2.29 " "

CHUCK TENDERS 2.09 " "

DUMPMEN 2.09 " "

LABORER 1.94 " "

ELECTRICIAN 3.00 " " + TRAVEL OR

HAMMER OPERATORS: 2.22 " " + SUBSISTENCE.

BLACK CANYON TUNNEL - PERSONNEL.
BOOK ONE.

REMARKS.

Oscar Benson started work
Jack King carried over from Watown.

Wrs. Vogel and John Mahoney started work.

Harmer Johnson and Tom Clabb started work.
Benson worked until 7:30 unloading R.R. ties.

DATE:	NO.	TYPE:	HOURS:	RATE:
DEC. 15, '52.	1	SUPT.	8.0	SALARY.
" 16, "	1	DOZER OPERATOR	8.0	WITH DOZER.
" 16, "	1	SUPT.	8.0	SAL.
" 16, "	1	DOZER OPERATOR	8.0	WITH DOZER.
" 17, "	2	LABORERS	16.0	\$1.94
" 17, "	1	SUPT.	2.0	SAL.
" 17, "	1	DOZER OPERATOR	2.0	WITH DOZER.
" 17, "	2	LABORERS	4.0	\$1.94
" 18, "	1	SUPT.	8.0	SAL.
" 18, "	1	DOZER OPERATOR	8.0	WITH DOZER
" 18, "	1	HAMMER MAN	8.0	\$2.14
" 18, "	1	LABORER	8.0	\$1.94
" 19, "	1	SUPT.	8.0	SAL.
" 19, "	1	HAMMER MAN	8.0	\$2.14
" 19, "	1	LABORER	8.0	1.94
" 22, "	1	SUPT.	8.0	SAL.
" 22, "	4	LABORERS	32.0	\$1.94
" 23, "	1	SUPT.	11.0 8.0	SAL.
" 23, "	4	LABORERS	32.0	\$1.94

DATE:	NO.	TYPE:	HOURS:	RATE:
DEC. 24, '52	1	SUPT.	8.0	SAL.
	4	LABORERS	32.0	\$1.94
" 29, "	1	SUPT.	8.0	SAL.
	4	LABORERS	32.0	\$1.94
" 30, "	1	SUPT.	8.0	SAL.
	4	LABORERS	32.0	\$1.94
" 31, "	1	SUPT.	8.0	SAL.
	4	LABORERS	32.0	\$1.94
JAN. 5, '53.	1	SUPT.	8.0	SAL.
	1	MECHANIC	8.0	"
	4	LABORERS	32.0	\$1.94
" 6 "	1	Supt.	8.0	SAL.
	1	Mechanic	8.0	"
	6	Laborers	48.0	\$1.94
" 7 "	1	Supt.	4.0	SAL.
	1	Mechanic	4.0	"
	4	Laborers	10.0	\$1.94
	1	CLERK	8.0	"

Roger Heideman started work as Mechanic.

John Hansen and H. P. Schmeling started work.

NAKONEY - 4 HRS; JOHNSON, SCHMELING, CLUBB - 2 HRS.

Rained all day.

* Started work in P.M.

MAX JOHNSON STARTED WORK TODAY.

\$600.00 MONTH.

EARL HIGLEY STARTED WORK AS A BOOKKEEPER.

MR. WM. PENNEROHM - MONTHLY SALARY \$500.00

"Woody" Stewart reported to work as Carpenter.
Note: Stewart receives \$5.00 per day subsistence
and gasoline used, in addition to hourly pay.

DATE:	NO.	JOB.	HRS.	RATE.
JAN. 8 '53.	1	SUPT.	8.0	SAL.
	1	MECHANIC	8.0	SAL.
	7	LABORERS	56.0	1.94
	1	CLERK	8.0	SAL.
JAN. 9 '53.	1	PROJECT MANAGER	8.0	\$500.00
	1	SUPT.	8.0	SAL.
	1	MECHANIC	8.0	SAL.
	1	CLERK	8.0	SAL.
	7	LABORERS.	56.0	\$1.94
JAN. 12 '53.	1	PROJECT MANAGER	8.0	\$500.00
	1	SUPT.	8.0	SAL.
	1	MECHANIC.	8.0	"
	1	CLERK	8.0	"
	1	CARPENTER	8.0	\$2.57
	7	LABORERS	56.0	\$1.94
JAN. 13.	1	PROJECT MGR.	8.0	SAL.
	1	SUPT.	8.0	SAL.
	1	CLERK.	8.0	SAL.
	1	MECHANIC	8.0	SAL.

Started at 7 A.M. to get forms ready for concrete.

Worked on forms and lockers at Hanson Lumber Yard.

Help Carpenter on lockers.

Worked 2 hrs. only: Clutt, 2 Johnsons, Vogel and ^{Schueling.}

DATE:	No.	JOB.	HRS.	RATE.
JAN. 13 '52.	1	CARPENTER	9.0	2.57
CONT'D.	7	LABORERS	56.0	1.94
JAN. 14 '53.	1	PROJECT. MGR.	8.0	SAL.
Rain:	1	SUPT.	8.0	SAL.
	1	CLERK	8.0	"
	1	MECHANIC	8.0	"
	1	CARPENTER	8.0	2.57
	1	LABORER	8.0	1.94
8 A.M. - 10 A.M.	5	LABORERS	10.0	1.94
JAN. 15 '53.	1	SUPT.	8.0	SAL.
	1	CLERK	8.0	"
	1	MECHANIC	8.0	SAL. 2.00
	1	CARPENTER	8.0	2.57
	7	LABORERS.	56.0	1.94
JAN. 16, '53	1	SUPT.	8.0	SAL.
	1	CLERK	8.0	"
	1	MECHANIC	8.0	SAL. 2.00
	1	CARPENTER	8.0	2.57
	7	LABORERS	56.0	1.94

DATE:	NO.	JOB.	HRS.	RATE:
JAN. 19 '53.	1	SUPT.	8.0	SALARY
	1	CLERK	8.0	"
	1	MECHANIC	8.0	"
	1	CARPENTER	8.0	2.57
	7	LABORERS	56.0	1.94
JAN. 20, '53	1	SUPT.	8.0	SALARY
	1	CLERK	8.0	"
	1	MECHANIC	8.0	"
	1	CARPENTER	8.0 2.57	2.57
	7	LABORERS	56.0	1.94
JAN. 21, '53	1	SUPT.	8.0	SALARY
	1	CLERK	8.0	"
	1	MECHANIC	8.0	"
	1	CARPENTER	8.0	2.57
	7	LABORERS	52.0	1.94
JAN. 22, '53	1	PROJECT MGR.	8.0	SALARY
	1	SUPT.	8.0	"
	1	CLERK	8.0	"
	1	MECHANIC	8.0	"

VOGEL LEFT AT NOON - HIS MOTHER DIED TODAY.

A.O. McFADDEN STARTED WORK TODAY AS MUCKER OPERATOR.

^{8125th WEEK.}
GUNNAR JOHNSON STARTED WORKING AS "SHIFTER" TODAY
TOM CLARR AND H.J. SCHEMLING, AS "MINERS" TODAY
VOGEL RETURNED TO WORK TODAY.

DATE:	No.	JOB.	HRS.	RATE:
JAN 22, '53	1	CARPENTER	8.0	2.57
Cont'd.	6	LABORERS	48.0	1.94
JAN 23, '53	1	SUPT.	8.0	SALARY
	1	CLERK	8.0	"
	1	MECHANIC	8.0	"
	1	CARPENTER	8.0	2.57
	1	MUCKER OPERATOR	8.0	2.74
	6	LABORERS	48.0	1.94
JAN. 26, '53.	1	SUPT.	8.0	SALARY
	1	CLERK	8.0	"
	1	MECHANIC	8.0	"
	1	MUCKER OPERATOR	8.0	2.74
	1	SHIFTER	8.0	SALARY
	2	MINERS	16.0	
	4	LABORERS	32.0	1.94
JAN. 27, '53.	1	SUPT.	8.0	SALARY
	1	CLERK	8.0	"
	1	MECHANIC	8.0	"
	1	SHIFTER	8.0	"

MAX JOHNSON CHANGED FROM LABORER TO MINER.

MR. RENNERTONH CAME IN AT 2:30PM.

JOHN HAMM SICK TODAY.

MR. RENNERTONH WAS HERE ALL DAY TODAY.

DATE:	NO.	JOB	HRS.	RATE:
JAN. 27 '53.	1	MUCKER OPERATOR	8.0	2.74
CONT'D.	1 2	CHUCK TENDER	24.0	2.29
	3	MINERS	24.0	1.94
JAN. 28, '53.	1.	LABORERS	2.0	SALARY
	1	PROJECT MANAGER	8.0	"
	1	SUPT.	8.0	"
	1	CLERK	8.0	"
	1	MECHANIC	8.0	"
	1	SHIFTER	8.0	"
	1	MUCKER OPERATOR	8.0	2.74
	1 1	CHUCK TENDER	24.0	2.09
	2 2	MINERS	24.0	2.29
	2	LABORERS	16.0	1.94
JAN. 29, '53	1	PROJECT MANAGER	8.0	SALARY
	1	SUPT.	8.0	"
	1	CLERK	8.0	"
	1	MECHANIC	8.0	"
	1	SHIFTER	8.0	"
	1	MUCKER OPERATOR	8.0	2.74
	1	CHUCK TENDER	8.0	2.09
	2	MINERS	16.0	2.29
	2 3	LABORERS	16.0 24.0	1.94

DATE:	NO.	JOB.	MRS.	RATE.
JAN. 30, 58.	1	SUPT.	8.0	SALARY
	1	CLERK	8.0	"
	1	MECHANIC	8.0	"
	1	SHIFTER	8.0	"
	1	MUCKER OPERATOR	8.0	2.94
	1	CHUCK TENDER	8.0	2.09
	23	MINERS	24.0 16.0	2.29
	28	LABORERS	24.0 16.0	1.94
FEB. 2	1	SUPT.	8.0	
	1	CLERK	8.0	
	1	MECHANIC	8.0	
	1	SHIFTER	8.0	
	1	MUCKER OPERATOR	8.0	
	1	LOCOMOTIVE OPERATOR	8.0	
	1	CHUCK TENDER	8.0	
	2	MINERS	16.0	
	3	LABORERS	24.0	

MAX JOHNSON CHANGED FROM CHUCK TENDER TO MINER.

H. J. SCHMELING PROMOTED TO LOCOMOTIVE OPERATOR

RANDOLPH AMES STARTED WORK AS CHUCK TENDER.

RECEIVES \$7.00 PER DAY SUBSISTANCE.
 R.W. WHITSON REPORTED TO WORK AS MAINT. ELECT.

DATE:	NO.	JOB.	HRS.	RATE:
FEB. 3, '53	1	SUPT.	8.0	SALARY
	1	CLERK	8.0	"
	1	MECHANIC	8.0	"
	1	SHIFTER	8.0	"
	1	ELECTRICIAN	8.0	3.00
	1	MUCKER OPERATOR	8.0	2.74
	1	LOCO. OPERATOR	8.0	2.58
	1	CHUCK TENDER	8.0	2.09
	2	MINERS	16.0	2.29
	3	LABORERS	24.0	1.94
FEB. 4, '53	1	PROJECT MANAGER	2.0	SALARY
	1	SUPT.	8.0	"
	1	CLERK	8.0	"
	1	MECHANIC	8.0	"
	1	SHIFTER	8.0	"
	1	MUCKER OPERATOR	8.0	
	1	LOCOMOTIVE "	8.0	
	1	ELECTRICIAN	8.0	
	1	MINER	8.0	
1	CHUCK TENDER	8.0		
3	LABORERS	24.0		

TOM CLURD, A MINER, HOME SICK TODAY.

NOTE: 6 STEEL WORKERS ON DOR ERECTING CHANGE HOUSE.

TOM CLUBB - SICK.

TOM CLUBB - SICK.

DATE	NO.	JOB.	HRS.	RATE:
FEB. 5, '59	1	PROJECT MANAGER	8.0	SALARY
	1	SUPT.	8.0	"
	1	CLERK	8.0	"
	1	MECHANIC	8.0	"
	1	SHIFTER	8.0	"
	1	ELECTRICIAN	8.0	3.00
	1	MUCKER OPERATOR	8.0	2.74
	1	LOCOMOTIVE OPERATOR	8.0	2.98
	1	MINER	8.0	2.29
	1	CHUCK TENDER	8.0	2.09
FEB. 6, '59	3	LABORERS	24.0	1.94
	1	SUPT.	8.0	
	1	CLERK	8.0	
	1	MECHANIC	8.0	
	1	SHIFTER	8.0	
	1	ELECT.	8.0	
	1	MUCKER OPERATOR	8.0	
	1	LOCOMOTIVE OPERATOR	8.0	
	1	MINER	8.0	
	1	CHUCK TENDER	8.0	
	3	LABORERS	24.0	

NOTE: MOVING INTO NEW CHANGE HOUSE AND MECHANIC
 1 INSTALLED AIR AND WATER LINES INTO TUNNEL HEADING.

DATE:	NO.	JOB.	HRS.	RATE:
FEB. 7, 1958.	1	SUPT.	8.0	SALARY
	1	CLERK	2.0	"
	1	MECHANIC	8.0	"
(OVERTIME)	3	LABORERS.	24.0	^{2.91} 1.94

FEB. 9, '58	1	SUPT.	8.0	SALARY
	1	CLERK	8.0	"
	1	MECHANIC	8.0	"
	1	SHIFTER	8.0	"
	1	ELECTRICIAN	8.0	3.00
	1	MUCKER OPERATOR	8.0	2.74
	1	LOCOMOTIVE OPERATOR	8.0	2.38
	2	MINERS	16.0	2.29
	2	CHUCK TENDERS	16.0	2.09
	3	LABORERS	24.0	1.94
	1	CARPENTER	8.0	2.57

PERRY C. ROBERTSON STARTED WORK AS A CHUCK TENDER.

NOTE: ONE PLUMBER AND HELPER WORKED ON PLUMBING
 IN CHANGE HOUSE. (SUB-LET JOB TO L.L. FLAMMANG OF
 RAYONA, CALIF. FOR \$20.00 INCLUDING PIPE AND
 FAUCETS AND TWO SINKS

DATE:	NO.	JOB.	HRS.	RATE:
FEB. 11, '53	1	MUCKER OPERATOR	8.0	"
CONT'D.	1	LOCOMOTIVE "	8.0	"
	2	MINERS	16.0	"
	2	CHUCK TENDERS	16.0	"
	3	LABORERS	24.0	"
	1	CARPENTER	8.0	"
FEB. 12, '53	1	PROJECT MANAGER	8.0	SALARY
	1	SUPT.	8.0	"
	1	CLERK	1.0	"
	1	SHIFTER	8.0	"
	1	MUCKER OPERATOR	8.0	2.74
	1	LOCOMOTIVE "	8.0	2.98
	2	MINERS	16.0	2.29
	2	CHUCK TENDERS	16.0	2.09
	3	LABORERS	24.0	\$ 1.94
	1	CARPENTER	4.0	2.57

NOTE: CLERK WENT HOME, SICK, AT 9 A.M.

MECHANIC OFF TODAY - BROTHER'S FUNERAL

ELECT. OFF TODAY - WIFE HAVING A BABY.

TWO PLUMBERS ON JOB 1 HR.

TWO ELECTRICIANS FROM "CALEWO" ON JOB ALL DAY, WIRING THE CHANGE HOUSE.

MECHANIC FROM RAY WEST'S, IN RAMONA, ON JOB 1 HR. REPAIRING DIESEL-ELECT. 37.5 KVA GENERATOR.

EARL HIGLEY, OFFICE MGR., OFF, SICK.

TWO ELECTRICIANS FROM CALIF. ELECT. WORKS ON JOB
ALL DAY, WIRING CHANGE HOUSE.

DATE:	NO.	JOB.	HRS.	RATE.
FEB. 13, '53	1	SUPT.	8.0	SALARY
	1	MECHANIC	8.0	"
	1	SHIFTER	8.0	"
	1	ELECTRICIAN	8.0	3.00
	1	MUCKER OPERATOR	8.0	2.74
	1	LOCOMOTIVE "	8.0	2.58
	2	MINERS	16.0	2.29
	2	CHUCK TENDERS	16.0	2.09
	3	LABORERS	24.0	1.94
FEB. 14.	1	SUPT.	8.0	SALARY
(SATURDAY)	1	CLERK	6.0	"
	1	MECHANIC	8.0	"
	3	LABORERS (OVERTIME) ^{1/2}	24.0	2.91
FEB. 16 '53.	1	SUPT.	8.0	SALARY
	1	CLERK	8.0	"
	1	MECHANIC	8.0	"
	1	SHIFTER	8.0	"

NAXONEY, HAMM & VOGEL.

JOHN G. MASON STARTED WORK AS COMPRESSOR OPERATOR.

JOHN NAKONEY SENT HOME 11 A.M. WITH INJURED FOOT.

BILL VOGEL & JOHN HAMM PROMOTED TO DUMPMEN.

JOHN NAKONEY ABSENT WITH INJURED FOOT.

FEB. 16 '53.	1	ELECT.	8.0	3.00
CONT'D.	1	COMPRESSOR OPERATOR	8.0	2.24
	1	MUCKER OPERATOR	8.0	2.74
	1	LOCOMOTIVE OPERATOR	8.0	2.38
	2	MINERS	16.0	2.29
	2	CHUCK TENDERS	16.0	2.09
	1	LABORER	24.0 ^{8.0}	1.94
	2	DUMPMEN	16.0	2.09
FEB. 17, '53.	1	SUPT.	8.0	SALARY
	1	OFFICE MGR.	8.0	"
	1	MECHANIC	8.0	"
	1	SHIFTER	8.0	"
	1	ELECT.	8.0	3.00
	1	MUCKER OPERATOR	8.0	2.74
	1	LOCOMOTIVE "	8.0	2.38
	1	COMPRESSOR "	8.0	2.24
	2	MINERS	16.0	2.29
	2	CHUCK TENDERS	16.0	2.09
	2	TRACKMEN (DUMPMEN)	16.0	2.09
	0	LABORER.		

TOM CLURG PROMOTED TO SHIFTER TODAY.

JOHN MORONES AND ~~GUILLERMO RIOS~~ STARTED MINER

RAYMOND MORONES AND WALTER SHULTZ STARTED AS CH. TENDERS

JACK HARROUH STARTED AS MUCKER OPERATOR.

LESLIE McCLURG STARTED AS DINKEY OPERATOR.

GUILLERMO RIOS STARTED AS CHUCK TENDER

JOSEPH MURILLO STARTED AS A MINER TODAY.

DATE:	No.	JOB.	HRS. WORKED	RATE.
FEB. 18, '53	1	SUPT.	8.0	SALARY
	1	OFFICE MANAGER	8.0	"
	1	MECHANIC	8.0	"
	2	SHIFTERS	16.0	"
	2	MINERS	16.0	2.29
	5	CHUCK TENDERS	40.0	2.09
	2	MUCKER OPERATORS	16.0	2.74
	2	LOCOMOTIVE OPERATORS	16.0	2.38
	1	COMPRESSOR OPERATOR.	8.0	2.24
	1	ELECTRICIAN	8.0	3.00
	2	DUMPMEN	16.0	2.09
FEB. 19, '53	1	PROJECT MANAGER	8.0	SALARY
	1	SUPERINTENDENT	8.0	"
	1	OFFICE MANAGER	8.0	"
	1	MECHANIC	8.0	"
	2	SHIFTERS	16.0	"
	3	MINERS	24.0	2.29
	5	CHUCK TENDERS	40.0	2.09
	2	MUCKER OPERATORS	16.0	2.74

FEB. 19 '53	2	LOCOMOTIVE OPERATORS	16.0	2.98
CONT'D.	1	COMPRESSOR OPERATOR	8.0	2.24
	2	DUMPMEN	16.0	2.09

~~MATERIAL PURCHASED FROM COPCO PACIFIC LTD.~~

~~FEB. 20 '53. 3 DRILLS #697590~~

~~DELIVERED ON JOB BY PAUL SNOW OF COPCO INC.~~

FEB. 20 '53	1	PROJECT MANAGER	8.0	SALARY
	1	SUPERINTENDENT	8.0	"
	1	MECHANIC	8.0	"
	1	OFFICE MANAGER	8.0	"
	2	SHIFTERS	16.0	"
	1	ELECTRICIAN	8.0	3.00
	1	COMPRESSOR OPERATOR	8.0	2.24
	4	MINERS	32.0	2.29
	5	CRACK TENDERS	40.0	2.09
	2	MUCKER OPERATORS	16.0	2.74
	2	DINKEY "	16.0	2.98
	2	DUMPMEN	16.0	2.09

HARRY F. SEYTON STARTED AS MINER TODAY, AND
ASSIGNED BY SUPT. TO RE POWDER MAKE-UP
MAN.

*DOUBLE TIME PAY-HOLIDAY FOR ELECT. WORKERS UNION.

NOTE: JACK HARRISON TORE NAIL OFF RIGHT LITTLE FINGER TODAY WHILE WORKING ON MUCKING MACHINE. (FEB. 24)

W. SHULTZ ABSENT TODAY - QUIT.

NOTE: MUCKER BROKE DOWN. SOME MEN DID NOT WORK ON NIGHT SHIFT, PAID FOR 2 HRS. SHOW-UP TIME:

~~W. SHULTZ ABSENT TODAY.~~

2 HRS: G. JOHNSON, M. JOHNSON, SCHIZELING, RIOS, MASON.

2 HRS: Mc FADDEN, ROBERTSON, AMES, HAMM.

DATE:	No.	JOB.	HRS.	RATE:
FEB. 23.	1	SUPT.	8.0	SALARY
	1	OFFICE MGR.	8.0	"
	1	MECHANIC	8.0	"
	2	SHIFTERS	16.0	"
	1	ELECTRICIAN	8.0	\$6.00*
	1	COMPRESSOR OPERATOR	8.0	\$2.24
	2	LOCOMOTIVE "	16.0	\$2.98
	2	MUCKER "	16.0	2.74
	4	MINERS	32.0	2.29
	4	CHUCK TENDERS	32.0	2.09
	2	DUMPMEN.	16.0	2.09
FEB. 24.	1	SUPT.	8.0	
	1	OFFICE MGR.	8.0	
	1	MECHANIC	8.0	
	1	ELECT.	8.0	
	2	SHIFTERS	16.0	
	4	MINERS	32.0	
	4	CHUCK TENDERS	20.0	
	2	MUCKER OPERATORS.	10.0	
	2	DINKEY "	16.0	
	2	DUMPMEN	16.0	
	1	COMPRESSOR OPERATOR	8.0	

MUCKER MACHINE OUT OF ORDER, REPAIR WORK
UNDERWAY ON SAME.

NIGHT SHIFT MEN TO BE PAID 2 HRS. SHOW-UP TIME
EXCEPT THOSE WHO WORKED 8 HRS TUE. NIGHT.

2 HR. SHOW-UP TIME: AMES, HAMM.

PAUL K. ROULST STARTED TODAY AS A CHUCK TENDER.

DATE:	NO.	JOB.	HRS.	RATE.
FEB. 25	1	SUPT.	8.0	
	1	OFFICE MANAGER	8.0	
	1	MECHANIC	8.0	
	1	ELECTRICIAN	8.0	
FEB. 26.	1	PROJECT MANAGER	8.0	
	1	SUPT.	8.0	
	1	OFFICE MANAGER	8.0	
	1	MECHANIC	8.0	
	1	ELECTRICIAN	8.0	
	2	SHIFTERS	16.0	
	2	MUCKER OPERATORS	16.0	
	2	DINKY OPERATORS	16.0	
	4	MINERS	32.0	
	5	CHUCK TENDERS	40.0	
	1	COMPRESSOR OPERATOR	8.0	
	2	DUMPMEN	16.0	

DATE:	No.	JOB.	HRS.	RATE:
FEB. 27.	1	PROJECT MANAGER	8.0	SALARY
	1	SUPERINTENDENT	8.0	
	1	OFFICE MANAGER	8.0	
	1	MECHANIC	8.0	
	1	ELECTRICIAN	8.0	
	1	COMPRESSOR OPERATOR	8.0	
	2	SHIFTERS	16.0	
	2	MUCKER OPERATORS	16.0	
	2	DINKY OPERATORS	16.0	
	4	MINERS.	32.0	
	5	CHUCK TENDERS	40.0	
	2	DUMP MEN	16.0	

NOTE: GUILLERMO RIOS RATING CHANGED TO MINER
 RETROACTIVE TO FEB. 18. WORK ORDER FROM UNION
 OFFICE LISTED HIM AS CHUCK TENDER BUT WORKING
 AS A MINER.

JOHN MORNES ABSENT.

NOTE: PAUL ROULST PAID AS A MINER TODAY.

DATE:	NO.	JOB.	HRS.	RATE:	
MARCH 2.	1	SUPT.	8.0		
	1	OFFICE MANAGER	8.0		
	1	MECHANIC	8.0		
	1	ELECTRICIAN.	8.0		
	2	SHIFTERS	16.0		
	5	MINERS	40.0		
	4	CHUCK TENDERS	32.0		
	1	COMPRESSOR OPERATOR	8.0		
	2	MUCKER "	16.0		
	2	LOCOMOTIVE "	16.0		
	2	DUMPMEN	16.0		
	MARCH 3rd.	1	SUPT.	8.0	
		1	OFFICE MGR.	8.0	
1		MECHANIC	8.0		
1		ELECT.	8.0		
2		SHIFTERS	16.0		
5		MINERS	40.0		
3		CHUCK TENDERS	24.0		
2	DUMPMEN	16.0			

JOHN MORONES ARSENT. PAUL ROULST ACTING MINER.

			Hrs.
MARCH 3	1	COMPRESSOR OPERATOR	8.0
CONT'D.	2	MUCKER "	16.0
	2	LOCOMOTIVE "	16.0
MARCH 4.	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	MECHANIC	8.0
	1	ELECT.	8.0
	2	SHIFTERS	16.0
	5	MINERS	40.0
	3	CHUCK TENDERS	24.0
	2	MUCKER OPERATORS	16.0
	2	DINKEY "	16.0
	1	COMPRESSOR OPERATOR	8.0
	2	DUMPMEN	16.0
MARCH 5	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	MECHANIC	8.0
	1	ELECT.	8.0
	2	SHIFTERS	16.0

JOHN MORONGS ~~QUIT TODAY~~ WAS DISCHARGED TODAY.

ARTHUR P. WILLIS & CARLE, ERICKSON STARTED AS
CHUCK TENDERS TODAY ON DAY SHIFT.

PAUL ROULST QUIT AT START OF SHIFT TODAY.

DATE:	No.	JOB.	HRS.
MARCH 5, '53	5.	MINERS.	40.0
	5	CHUCK TENDERS	40.0
	2	MUCKER OPERATORS	16.0
	2	DINKEY "	16.0
	1	COMPRESSOR "	8.0
	2	DUMPMEN.	16.0
MARCH 6.	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	MECHANIC	8.0
	1	ELECT.	8.0
	2	SHIFTERS	16.0
	4	MINERS	32.0
	5	CHUCK TENDERS	40.0
	2	MUCKER OPERATORS	16.0
	2	DINKEY "	16.0
	1	COMPRESSOR "	8.0
	2	DUMPMEN.	16.0

DATE:	No.	JOB.	HRS.
MARCH 9, '53.	1	SUPT.	8.0
	1	OFFICE MANAGER	8.0
	1	MECHANIC	8.0
	1	ELECT.	8.0
	1	COMPRESSOR OPERATOR	8.0
	2	SHIFTERS	16.0
	4	MINERS	32.0
	4	CHUCK TENDERS	32.0
	2	MUCKER OPERATORS	16.0
	4	DINKY OPERATORS	28.0
	2	DUMPMEN.	16.0
MARCH 10 '53.	1	PROJECT MANAGER	8.0
	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	MECHANIC	8.0
	1	ELECT.	8.0
	1	COMPRESSOR OPERATOR	8.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0

RUDOLPH AMES
~~WAS~~ ABSENT TODAY.

JOHN NICHOLS REPORTED AT 1:30 P.M. AS DINKY OPERATOR.

REN GOULD REPORTED FOR WORK AS DINKY OPERATOR, NIGHT ^{SHIFT.}

	DATE:	NO.	JOB.	HRS.
	MARCH 10, '53	4	DINKEY OPERATORS	32.0
	CONT'D.	4	MINERS	32.0
		5	CHUCK TENDERS	40.0
JOHN HANN QUIT TODAY - DUMPMAN.		2	DUMP MEN.	16.0
	MARCH 11, '53	1	PROJECT MANAGER	8.0
		1	SUPT.	8.0
ERNE ARNISON REPORTED FOR WORK AS OFF. MGR.		2	OFFICE MANAGER	16.0
		1	MECHANIC	8.0
R.W. WHITSON, ELECT., QUIT TODAY.		1	ELECTRICIAN	8.0
		1	COMPRESSOR OPERATOR	8.0
		2	SHIFTERS	16.0
		2	MUCKER OPERATORS	16.0
		4	DINKEY OPERATORS	32.0
E.M. YRODMAN STARTED AS A MINER ON NIGHT SHIFT.		5	MINERS.	40.0
		5	CHUCK TENDERS.	40.0
DAVID TOLIOSOFF STARTED WORK AT NOON AS DUMPMAN.		2	DUMPMEN.	12.0

EARL HIGLEY RESIGNED EFFECTIVE TONIGHT.

TO RECEIVE \$5.44 PER DAY TRAVEL EXPENSE.
H.E. MCATEE REPORTED AS ELECT. AT 9 A.M. TODAY.

E.V. VROOMAN ABSENT TONIGHT.

DATE:	NO.	JOB.	HRS.
MARCH 12, '59	1	PROJECT MANAGER	8.0
	1	SUPT.	8.0
	2	OFFICE MANAGERS	16.0
	1	MECHANIC	8.0
	1	ELECT.	8.0
	1	COMPRESSOR OPERATOR	8.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	4	DINKEY OPERATORS	32.0
	4 5	MINERS	40.0
	5	CHUCK TENDERS	40.0
	2	DUMPMEN	16.0
MARCH 13 '59.	1	SUPT.	8.0
	1	OFFICE MANAGER	8.0
	1	MECHANIC -	8.0
	1	ELECT.	8.0
	1	COMPRESSOR OPERATOR	8.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0

BEN GOULD QUIT TODAY AT START OF SHIFT.
 RAMOND GARCIA STARTED AS A MINER TODAY.
 E.V. VROOMAN LAID OFF AS A MINER AT START OF SHIFT.
 ARTHUR WILLIS QUIT AT END OF SHIFT AS CHUCK TENDER.

DATE:	No.	JOB.	Hrs.
MARCH 13, '53	3	DINKEY OPERATORS	24.0
CONT'D.	5	MINERS	
	5	CHUCK TENDERS	40.0
	2	DUMPMEN.	16.0
MARCH 16, '53	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	MECHANIC	8.0
	1	ELECT.	8.0
	1	COMPRESSOR OPERATOR	8.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	4	DINKEY	32.0
	5	"	40.0
	5	MINERS	40.0
	5	CHUCK TENDERS	40.0
	2	DUMPMEN.	16.0
MARCH 17, '53	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	MECHANIC	8.0
	1	ELECT.	8.0

CHARLES RAILLEY STARTED AS A DINKEY OPERATOR.

PERRY ROBERTSON ABSENT TONITE.
 IVAN A. DIXON STARTED AS A CHUCK TENDER.

DATE:	NO.	JOB.	Hrs.
MARCH 17,	1	COMPRESSOR OPERATOR	8.0
CONTR.	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	4	DINKEY OPERATORS	32.0
	5	MINERS	40.0
	5	CHUCK TENDERS	40.0
	2	DUMPMEN	16.0
MARCH 18.	1	PROJECT MANAGER	8.0
	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	MECHANIC	8.0
	1	ELECT.	8.0
	1	COMPRESSOR OPERATOR	8.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	4	DINKEY "	32.0
	5	MINERS	40.0
	5 4	CHUCK TENDERS	40.0 32.0
	2	DUMPMEN	16.0

DIXON ABSENT. QUIT.

TOM CLUBB ABSENT WITH INFECTED RIGHT LEG.

JOE MORILLO ACTING SHIFTER,

JOE J. BURTON STARTED AS CHUCK TENDER ON NIGHT SHIFT,

WORKED ONLY 4.5 HRS, WENT HOME WITHOUT TELLING SHIFTER.

TOM CLUBB ABSENT, SICK.
JOE MORILLO ACTING SHIFTER.

MAX JOHNSON QUIT TONIGHT.

DATE:	NO.	JOB.	HRS.
MARCH 19.	1	PROJECT MANAGER	8.0
	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	MECHANIC	8.0
	1	ELECT.	8.0
	1	COMPRESSOR OPER.	8.0
	#2	SHIFTERS	8.0
	2	MUCKER OPER.	16.0
	4	DINKY "	32.0
	#4	MINERS	40.0
	5	CHUCK TENDERS	40.0
	2	DUMPMEN	16.0
MARCH 20, '33	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	MECHANIC	8.0
	1	ELECT.	8.0
	1	COMPRESSOR OPERATOR	8.0
	2	SHIFTERS.	16.0
	4	MINERS	32.0

MINERS TODAY.
 LAURENCE MARILLO, AND GEORGE GAROIA STARTED AS
 JOHN R. JENKINS, STARTED AS CHUCK TENDER TODAY.
 RAYMOND MORANES ABSENT TODAY.

DATE:	No.	JOB.	Hrs.
MARCH 20TH.	2	MUCKER OPERATORS	16.0
CONT'D.	4	DINKEY OPERATORS	32.0
	5	CHUCK TENDERS	40.0
	2	DUMPMEN	16.0
MARCH 23, '53	1.	SUPT.	8.0
	1.	OFFICE MANAGER	8.0
	1	MECHANIC	8.0
	1	ELECT.	8.0
	1	COMPRESSOR OPERATOR	8.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	7	MINERS	56.0
	4	CHUCK TENDERS	32.0
	2	DUMPMEN.	16.0
	4	DINKEY OPERATORS	32.0
MARCH 24.	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	MECHANIC	8.0
	1	ELECT.	8.0

GUNNAR JOHNSON QUIT AT END OF SHIFT TONIGHT.

PARRY ROBERTSON ARSENT. QUIT.

JOE BURTON ARSENT. LAID OFF.

JOE MURILLO PROMOTED TO SHIFTER TODAY.

DAVE TOLMOSOFF CHANGED FROM DUMPMAN TO CHUCK TENDER.

NOTE: NIGHT SHIFT WORKED 4 HRS ONLY - MUCKER BROKE DOWN.

DATE:	No.	JOB.	HRS.
MARCH 24.	2	SHIFTERS	16.0
CONT'D.	1	COMPRESSOR OPERATOR	8.0
	2	MUCKER "	16.0
	4	DINKEY "	32.0
	7	MINERS	56.0
	3	CHUCK TENDERS.	24.0
	2	DUMPMEN	16.0
MARCH 25.	1	SUPT.	8.0
M	1	OFFICE MGR.	8.0
	1	MECHANIC	8.0
	1	ELECT.	8.0
	1	COMPRESSOR OPERATOR	8.0
	2	SHIFTERS.	12.0
	2	MUCKER OPERATORS	12.0
	4	DINKEY "	24.0
	6	MINERS	36.0
	4	CHUCK TENDERS	24.0
	1	DUMPMEN.	8.0

* DAY SHIFT MEN SENT HOME AT 8 A.M., WITHOUT WORKING, DUE TO MUCKER BREAK DOWN. PAID FOR 2 HRS. SHOW-UP TIME.

DATE:	No.	JOB.	HRS.
MARCH 26.	1	PROJECT MGR.	8.0
	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	MECHANIC	8.0
	1	ELECT.	2.0*
	1	COMPRESSOR OPERATOR	8.0
	2	SHIFTERS	10.0 ⁺
	2	MUCKER OPERATORS	10.0*
	4	DINKEY "	20.0*
	6	MINERS	30.0*
	4	CHUCK TENDERS	20.0*
	1	DUMPMAN	2.0*
MARCH 27.	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	1	MECHANIC	8.0
	1	COMPRESSOR OPERATOR	8.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0

ERICKSON ABSENT ON DAYSHIFT.

ALVIN AMES STARTED AS CHUCK TENDER ON NITE SHIFT.

TOLMOSEFF REVERTED TO DUMP MAN.

RIDG ABSENT TONIGHT.

JENKINS ABSENT TONIGHT. QUIT.

DATE:	No.	JOB.	HRS.
MARCH 27, '53	4	DINKEY OPERATORS	32.0
CONT'D.	6	MINERS	48.0
	3	CHUCK TENDERS	24.0
	2	DUMP MEN	16.0
MARCH 30, '53.	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	MECHANIC	8.0
	1	ELECT.	8.0
	1	COMPRESSOR OPERATOR	8.0
	2	MUCKER "	16.0
	4	DINKEY "	32.0
	2	SHIFTERS	16.0
	5	MINERS	40.0
	3	CHUCK TENDERS.	24.0
	2	DUMP MEN.	16.0
MARCH 31, '53	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	MECHANIC	8.0
	1	ELECT.	8.0

SCAMELING LATE: WORKED 6½ HRS. ONLY.

BRYANT WILLIAMS STARTED AS A CHUCK TENDER TONIGHT.

HARRY SEYTON PROMOTED TO SHIFTER TODAY.
TOM CLUBB REVERTED TO MINER TODAY. HOME SICK.

DATE:	NO.	JOB.	HRS.
MARCH 31, '53	1	COMPRESSOR OPERATOR	8.0
CONT'D.	2	MUCKER "	16.0
	4	DINKEY "	32.0 30.5
	2	SHIFTERS	16.0
	5	MINERS	40.0
	4	CHUCK TENDERS	32.0
	2	DUMPMEN	16.0
APRIL 1, 1953.	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	MECHANIC	8.0
	1	ELECT.	8.0
	1	COMPRESSOR OPERATOR	8.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	4	DINKEY "	32.0
	4	MINERS	32.0
	4	CHUCK TENDERS	32.0
	2	DUMPMEN.	16.0

TOM CLUBB ASSIGNED AS POWDER MAN TODAY.

BILL VOGEL WORKED ON DRAINAGE DITCH IN TUNNEL.

MCATEE ABSENT TODAY - CAR ACCIDENT.

DATE:	No.	JOB.	Hrs.
APRIL 2, '59	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	MECHANIC	8.0
	1	ELECTRICIAN	8.0
	1	COMPRESSOR OPERATOR	8.0
	2	MUCKER "	16.0
	4	DINKEY "	32.0
	2	SHIFTERS	16.0
	5	MINERS	40.0
	4	CHUCK TENDERS	32.0
	2	DUMP MEN	16.0
APRIL 3, '59.	SAME	AS 4/2 EXCEPT 6 MINERS.	
" 4.	1	SUPT.	8.
	1	DUMPMAN. (OVERTIME)	8.
APRIL 6, '59	1	SUPT.	8.
	1	OFFICE MGR.	8
	1	MECHANIC	8
	0	ELECT.	0
	1	COMPRESSOR OPERATOR	8

DATE:	NO.	JOB.	HRS.
APRIL 6, '53	2	SHIFTERS	16.0
CONT'D.	2	MUCKER OPERATORS	16.0
	4	DINKEY "	32.0
	6	MINERS	48.0
	4	CHUCK TENDERS	32.0
	2	DUMPMEN	16.0
" 7, '53	1	PROJECT MANAGER	8.0
	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	MECHANIC	8.0
	1	ELECT.	8.0
	1	COMPRESSOR OPERATOR	8.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	4	DINKEY "	32.0
	6	MINERS	48.0
	4	CHUCK TENDERS	32.0
	2	DUMPMEN.	16.0

DAVE TOLMOSOFF CHANGED FROM DUMPMAN TO CHUCK TENDER.

BRYANT WILLIAMS CHANGED FROM CHUCK TENDER TO DUMPMAN.

	DATE:	No.	JOB.	Hrs.
	APRIL 8, '53	1	PROJECT MANAGER	8.0
		1	SUPT.	8.0
		1	OFFICE MGR.	8.0
		1	ELECT.	8.0
JOHN MASON CHANGED FROM COMPRESSOR OPERATOR (2.24)		2	MECHANICS	16.0
TO MECHANIC (2.52) TODAY. WORKS ON NIGHT SHIFT.		2	SHIFTERS	16.0
		2	MUCKER OPERATORS	16.0
		4	DINKEY "	32.0
		6	MINERS	48.0
		4	CHUCK TENDERS	32.0
		2	DUMPMEN.	16.0
NICHOLS ABSENT TODAY - SICK. GEO. GARCIA ACTING DINKEY OP.	APRIL 9,		SAME AS 4/8 EXCEPT:	
		5	MINERS	40.0
	APRIL 10.	1	SUPT.	8.0
		1	OFFICE MGR.	8.0
		1	ELECT.	8.0
		2	MECHANICS	16.0
		2	SHIFTERS	16.0
		2	MUCKER OPERATORS	16.0

NICHOLS STILL HOME, SICK; GEO. GARCIA ACTING DINKEY OP.

G. PIOS LEFT AT 9 A.M. - CAR ACCIDENT.

NICHOLS RETURNED TO WORK TODAY.

BRYANT WILLIAMS SENT TO DR. STRODE AT 3:30 P.M.

WITH INJURED LEG - CLAIMS HE WAS DRIVEN INSIDE

THE TUNNEL, WHILE RIDING ON THE LOCOMOTIVE.

DATE:	No.	JOB.	Hrs.
APRIL 10, '53	4	DINKEY OPERATORS	32.0
CONT'D.	5	MINERS	33.0
	4	CHUCK TENDERS	32.0
	2	DUMPMEN	16.0
APRIL 13, '53.	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECHANICS	16.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	4	DINKEY "	32.0
	6	MINERS.	48.0
	4	CHUCK TENDERS	32.0
	2	DUMPMEN.	16.0
APRIL 14, '53.	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECHANICS	16.0
	2	SHIFTERS	16.0

END OF SWING SHIFT.
 LESLIE McCLURE TAKEN INTO CUSTODY BY DEPUTY SHERIFF AT
 11:45 AM GARCIA
 LARRY MURILLO RECEIVED LACERATED RT. HAND AT 8 AM.

AND WAS SENT HOME. 7 STITCHES REQUIRED.

R. WILLIAMS ABSENT TODAY WITH INJURED LEG.

DONALD P. SPURLING STARTED AS CHUCK TENDER TODAY.

R. WILLIAMS ABSENT - SICK.

W.C. TABOR STARTED AT 1 P.M. AS A DOZER OPERATOR.

DATE:	NO.	JOB.	HRS.
APRIL 14,	2	MUCKER OPERATORS	16.0
CONT'D.	4	DINKEY "	32.0
	6	MINERS	48.0
	4	CHUCK TENDERS	32.0
	1	DUMPMAN	8.0
APRIL 15, '53	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
		MECHANICS	
		SHIFTERS	
		MUCKER OPERATORS	
		DINKEY "	
		MINERS	
		CHUCK TENDERS	
		DUMPMEN	
	1	DOZER OPERATOR	4.0

J.P. BARNET STARTED AS DINKEY OPERATOR TONIGHT.

NOTE: C.E. ERICSONSON LOST TIP OF RIGHT LITTLE FINGER WHILE DUMPING CARS TONIGHT.

W.C. TARDOR LAID OFF WITH 2 HRS. SNOW-UP TIME ONLY.

LARRY MURILLO, A MINER, QUIT AT END OF SHIFT TONIGHT.

DATE:	No.	JOB.	Hrs.
APRIL 16, '53.	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	9.0
	2	MECHANICS	16.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	4	DINKEY "	32.0
	1	DOZER "	8.0
	6	MINERS.	48.0
	5	CHUCK TENDERS	40.0
	1	DUMPMEN	8.0
" 17, '53	SAME AS 4/16 EXCEPT:		
	1	DOZER OPERATOR	2.0
" 20.	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECHANICS	16.0
	2	SHIFTERS	16.0

- J.P. BARNETT WILL BE CHANGED TO DOZER OPERATOR 4/21.
- G. PIOS ABSENT TODAY.
- C. ERICKSON ABSENT TODAY - INJURED FINGER.
- T. JUAREZ STARTED AS CHUCK TENDER TODAY, QUIT AT 3 P.M.
- D. SPURLING ACTING DUMPMAN. B. WILLIAMS ABSENT.

RAY GARCIA ACTING MOTERMAN - DAY SHIFT.

DAVE TOLMOSOFF C.T. ABSENT.

JOHN MORONES STARTED AS CHUCK TENDER THIS A.M.

BEN JONHZE " " " " AT NOON.*

DON SPURLING ON DUMP TONIGHT. B. WILLIAMS ABSENT.

MR. PENNEBORN LEFT AT 9:30 A.M.

DATE:	NO.	JOB.	HRS.
APRIL 20, '53	2	MUCKER OPERATORS	16.0
CONT'D.	4	DINKEY "	32.0
	4	MINERS	32.0
	4	CHUCK TENDERS	30.5
	2	DUMPMEN	16.0
APRIL 21.	1	PROJECT MANAGER	8.0
	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECHANICS	16.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	4	DINKEY "	32.0
	4	MINERS	32.0
	3	CHUCK TENDERS	20.0*
	2	DUMPMEN	16.0
APRIL 22.	1	PROJECT MGR.	1.5'
	1	SUPT.	8.0
	1	OFFICE MGR.	8.0

RAY GARCIA ACTING MOTORMAN - DAY SHIFT.

RAY MORONES ACTING MINER - DAY SHIFT.

DAVE TOLMOSOFF ON DUMP TONIGHT. R. WILLIAMS ABSENT.

HARRY SEYTON, SHIFTER, OPERATING INSIDE DINKEY - DAYS.

RAY GARCIA ABSENT. BAD HAND GIVING TROUBLE.

RAY MORONES ACTING MINER - DAY SHIFT.

DATE:	NO.	JOB.	HRS.
APRIL 22, '53	1	ELECT.	8.0
CONT'D.	2	MECHANICS	16.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	4	DINKEY "	32.0
	5	MINERS	40.0
	5	CHUCK TENDERS	40.0
	2	DUMPTEN	16.0
APRIL 23, '53	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECHANICS	16.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	3	DINKEY "	24.0
	5	MINERS	40.0
	5	CHUCK TENDERS	40.0
	2	DUMPTEN	16.0

LESLIE McCLURE RETURNED TODAY, AS DINKEY OPER.
 RAY MORONES ACTING MINER.

RAY MORONES ACTING MINER.
 DAVE TOLMOSOFF ABSENT.

DATE:	NO.	JOB	Hrs.
APRIL 24, '53	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECHANICS	16.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	4	DINKEY "	32.0
	5	MINERS	40.0
	5	CHUCK TENDERS	40.0
	2	DUMPMEN	16.0
APRIL 27, '53	SAME AS 4/24. EXCEPT 6 MINERS		48.0
" 28.	SAME AS 4/27.		
" 29.	1	PROJECT MANAGER	4.0
	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECHANICS	16.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0

NICHOLS SENT HOME - LOCO BROKE DOWN. 2 HRS. SHOWUP.

LEE T. RUIZ STARTED AS MINER ON SWING SHIFT.

DAVE TOLOMOSOFF LAID OFF. 2 HRS. SHOWUP TIME.

DYANT WILLIAMS LAID OFF AS DUMPMAN AT
END OF SHIFT TONIGHT.

REN JONNZE CHANGED FROM C.T. TO DUMPMAN TODAY.

J.P. BARNETT STARTED WORKING AT NORTH PORTAL

AGAIN TODAY. DOZER RETURNED FROM FOSTER JOB
AT 9 A.M.

DATE:	No.	JOB.	HRS.
APRIL 29, 33	4	DINKEY OPERATORS	26.0
CONT'D.	7	MINERS	56.0
	6	CHUCK TENDERS	42.0
	2	DUMPMEN	16.0
APRIL 30.	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECHANICS	16.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	4	DINKEY "	32.0
	7	MINERS	56.0
	5	CHUCK TENDERS	40.0
	2	DUMPMEN	16.0
MAY 1, 33		SAME AS 4-30.	
" 4, 33		SAME AS 4-30 EXCEPT:	
	4	CHUCK TENDERS.	32.0
	1	DOZER OPERATOR	7.0

RAY MORONES QUIT AT END OF SHIFT TONIGHT.

WORKING AT NORTH PORTAL.

ROBERT AMES STARTED AS CHUCK TENDER TONITE.
JOHN MORONES PROMOTED TO MINER TONITE.

WM. PENNERSON ARRIVED AT 3 P.M.

WM. PENNERSON LEFT AT 10:30 A.M.

DATE:	No.	JOB.	HRS.
MAY 5, '53	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECHANICS	16.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	4	DINKEY "	32.0
	7	MINERS	56.0
	4	CHUCK TENDERS	32.0
	2	DUMPMEN	16.0
	1	DOZER OPERATOR	8.0
MAY 6.		SAME AS 5/5 EXCEPT:	
	6	MINERS	48.0
MAY 7.		SAME AS 5/5. AND	
	1	PROJECT MGR.	1.5
MAY 8.			
	1	PROJECT MGR.	2.5
MAY 11.		SAME AS 5/5.	

MR. RENNBOHM ARRIVED AT 1:40 P.M. WITH PARTS FOR AIR COMPRESSOR.

NOTE: AIR COMPRESSOR BROKE DOWN, MEN LISTED BELOW WORKED FROM 8 A.M. TO NOON ONLY, EXCEPT SPURLING.

MORILLO WORKED 4 HRS. ONLY.

McFARREN " " "

SCHMELING AND NICHOLS WORKED 4 HRS. ONLY.

CLUBB, R. AMES, G. GARCIA, AND RUIZ WORKED 4 HRS. ONLY.

ALVIN AMES WORKED 4 HRS. ONLY. DON SPURLING WORKED 8 HRS.

WORKING AT NORTH PORTAL.

MR. RENNBOHM LEFT AT 1:30 P.M.

DATE:	NO.	JOB.	HRS.
MAY 12.	1	PROJECT MGR.	3.0
	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECHANICS	16.0
	2	SHIFTERS	12.0
	2	MUCKER OPERATORS	12.0
	4	DINKEY OPERATORS	24.0
	7	MINERS	40.0
	4	CHUCK TENDERS	28.0
	2	DUMPMEN	16.0
	1	DOZER OPERATOR	8.0
MAY 13, '53.	1	PROJECT MGR.	5.0
	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECHANICS	16.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0

WORKING AT NORTH PORTAL.

RUDY AMES QUIT AT END OF SHIFT TODAY, MINER.

WORKING AT NORTH PORTAL.

DALE C. MOORE AND ESTEL C. KELLEY STARTED WORK
AT 9 A.M. AS HAMMER MEN, NORTH PORTAL: 2.22 HR.

DATE:	NO.	JOB.	HRS.
MAY 13, '53	4	DINKEY OPERATORS	32.0
CONT'D.	7	MINERS	56.0
	4	CHUCK TENDERS	32.0
	2	DUMPMEN	16.0
	1	DOZER OPERATOR	8.0
MAY 14, '53		SAME AS MAY 13, EXCEPT: NO PROTECT MGR.	
MAY 15, '53		SAME AS MAY 13, EXCEPT: NO PROTECT MGR. AND NO DOZER OPERATOR - RAIN.	
MAY 18, '53	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECHANICS	16.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	4	DINKEY OPERATORS	32.0
	1	DOZER OPERATOR	8.0
	2	JACKHAMMER OPERATORS.	16.0

C. ERICKSON AND ROBT AMES ABSENT ON DAY SHIFT, SICK.

MAY 19. HARRY SEYTON QUIT AS SHIFTER TODAY.

G. PIOS, A MINER, ABSENT TODAY.

ROBT. AMES, A CHUCK TENDER, ABSENT TODAY, SICK.

MR. REBERDORN ARRIVED ON JOB AT 2:30 P.M.

RAY GARCIA PROMOTED TO SHIFTER TODAY.

PAID ^A2.29 HO. TODAY, FOR LOADING POWDER.

FRED
GEORGE BEAMER STARTED AS CHUCK TENDER TODAY.

DATE:	NO.	JOB.	HRS.
MAY 18, '53	7	MINERS	56.0
CONTR.	2	CHUCK TENDERS	16.0
	2	DUMPMEN.	16.0
MAY 19.		SAME AS 5/18 EXCEPT:	
	6	MINERS	48.0
	3	CHUCK TENDERS	24.0
MAY 20, '53.	1	PROJECT MGR.	2.0
	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECHANICS	16.0
	2	SHIFTERS	16.0
	2	DRIVER TRUCKER OPERATORS	16.0
	4	DINKEY "	32.0
	1	DOZER "	8.0
	2	JACKHAMMER MEN	16.0
	6	MINERS	48.0
	5	CHUCK TENDERS	40.0
	2	DUMPMEN	16.0

MR. KENNEDY LEFT AT 9:30 A.M.

DATE:	No.	HOOR: JOB.	HOURS.
MAY 21, '53	1	PROJECT MGR.	1.5
	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECHANICS	16.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	4	DINKEY "	32.0
	6	MINERS	48.0
	5	CHUCK TENDERS	40.0
	2	DUMPMEN	16.0
	1	DOZER OPERATOR	8.0
	2	HAMMER MEN	16.0
MAY 22		SAME AS 5/21 EXCEPT:	
		NO PROJECT MGR.	
	7	MINERS	56.0
	4	CHUCK TENDERS	32.0

PORT. AGES PROMOTED FROM C.T. TO MINER TODAY.

DATE:	NO.	JOB.	HOURS.
MAY 25, '53	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECHANICS	16.0
	2	SHIFTERS	16.0
	#2	MUCKER OPERATORS	16.0 32.0
	4	DINKEY "	32.0
	7	MINERS	56.0
	4	CHUCK TENDERS	32.0
	2	DUMPMEN	16.0
	1	DOZER OPERATOR	8.0
	2	HAMMER MEN	16.0
MAY 26, '53		SAME AS 5/25 EXCEPT:	
	3	CHUCK TENDERS	24.0
MAY 27,		SAME AS 5/26 AND	
	1	PROJECT MGR.	2.0
MAY 28		SAME AS 5/25 EXCEPT:	
	1	PROJECT MGR.	4.0
	6	MINERS	48.0

JOHN MORONES QUIT AT END OF SHIFT, MINER.

CARL ERICKSON PROMOTED TO MINER TODAY.

CARL ERICKSON SENT TO DOCTOR WITH INFECTED HAND.

LEE RUIZ ABSENT.

G. PASTRANA STARTED AS CHUCK TENDER AT NOON. 4HRS.

ERICKSON ABSENT WITH INFECTED HAND.

DOZER OPERATOR LAID OFF TONIGHT, JOB FINISHED.

JACK HARROUN HAD RIGHT FOOT RUN OVER BY MUCKING MACHINE AT 10 P.M. TAKEN TO HOSPITAL.

HARROUN ABSENT. *SCHMELING RAN MUCKER, NIGHTS.

SPURLING ABSENT ON DAY SHIFT, MINER.

MOORE AND KELLEY CHANGED TO MINERS AT N. PORTAL.

DATE:	No.	JOB.	Hrs.
MAY 29, '53.	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECTRICIAN	8.0
	2	MECHANICS	16.0
	2	MUCKER OPERATORS	16.0
	2	SHIFTERS	16.0
	2	HAMMER MEN (N. PORTAL)	16.0
	4	DINKEY OPERATORS	32.0
	6	MINERS	48.0
	4	CHUCK TENDERS	32.0
	2	DUMPMEN	16.0
	1	DOZER OPERATOR	8.0
JUNE 1, '53	7	MINERS SAME AS 5/29 EXCEPT: NO ELECTRICIAN AND NO DOZER OPERATOR.	56.0
JUNE 2, '53		SAME AS 5/29 EXCEPT:	
	1	MUCKER OPERATOR	8.0
	8	MINERS	64.0
	4	*DINKEY OPERATORS	40.0

Geo. Garcia acting motorman today.

Mr. Penneboth was here from 8 a.m. to noon.

Geo. Garcia acting motorman.

Alvin Ames acting miner.

A. Passo started as motorman today. Quit at 4³⁰ p.m.

E.C. Kelley and Dale Moore laid off tonight.

Mason, Clubb, Ruiz, and Alvin Ames worked today, raising track, installing car passers, etc.

JUNE 3, 53.	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECHANICS	16.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	4	DINNEY "	32.0
	8	MINERS	64.0
	4	CHUCK TENDERS	32.0
	2	DUMPMEN	16.0
JUNE 4,		SAME AS 6/3 EXCEPT:	
	1	PROJECT MANAGER	4.0
	9	MINERS	72.0
	3	CHUCK TENDERS	24.0
JUNE 5,		SAME AS 6/3 EXCEPT:	
	9	MINERS	72.0
JUNE 6	1	SUPT.	8.0
(OVERTIME)	1	MECHANIC	8.0
SATURDAY.	2	MINERS	16.0
	1	CHUCK TENDER	8.0

GEO. GARCIA ACTING MOTORMAN, DAYS.
 A. AMOS ACTING MINER, DAYS.
 C. ERICKSON ABSENT TONITE, MINER.

M.P. ASMUS STARTED AS CHUCK TENDER TODAY.

D. TOLMOSOFF, C.T., ABSENT TODAY.

G. GARCIA ACTING MOTORMAN; A. AMOS ACTING MINER.

MR. RENNROHM ARRIVED AT NOON.

^{A NEGRO}
 PHILLIP MCGEE, STARTED AT NOON AS CHUCK TENDER.

MR. RENNROHM LEFT AT 10 A.M.

PHILLIP MCGEE QUIT AT END OF SHIFT TODAY.

DATE:	NO.	JOB.	HRS.
JUNE 8, '39	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECHANICS	16.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	4	DINKEY "	32.0
	7	MINERS	56.0
	2	CHUCK TENDERS	16.0
	2	DUMPMEN	16.0
JUNE 9,		SAME AS 6/8 EXCEPT:	
	4	CHUCK TENDERS	32.0
JUNE 10,		SAME AS 6/8 EXCEPT:	
	1	PROJECT MGR.	4.0
	5	CHUCK TENDERS	36.0
JUNE 11,		SAME AS 6/8 EXCEPT:	
	1	PROJECT MGR.	2.0
	5	CHUCK TENDERS	40.0
JUNE 12,		SAME AS 6/8 EXCEPT	
	4	CHUCK TENDERS	32.0

DIGGING ADITCH BETWEEN RAILS FOR DRAINAGE
FROM PORTAL TO ABOUT STA. 160+00
MECHANIC WORKED ON SIDING IN TUNNEL.

RIOB WORKED ONLY 4 HRS. TODAY.

A. J. RAPPE STARTED AS CHUCK TENDER TODAY.

BEAMER, A C.T., ABSENT TODAY.

JACK HARRISON RETURNED TO WORK TODAY AS POWDERMAN.

TOM CLARR SHIFTED TO TUNNEL CLEAN-UP & DRAINAGE.

DATE:	NO.	JOB.	HRS.
JUNE 13.	1	SUPT.	8.0
(SATURDAY)	1	MECHANIC: MASON.	8.0
	2	MINERS: SPURLING	16.0
	1	DUMPMAN: JOHNS	8.0
JUNE 15.	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECHANICS	16.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	4	DINKY "	32.0
	7	MINERS	56.0
	4	CHUCK TENDERS	32.0
	2	DUMPMEN	16.0
JUNE 16.		SAME AS 6/15 EXCEPT:	
	8	MINERS	64.0
	5	CHUCK TENDERS	40.0
JUNE 17.		SAME AS 6/16 EXCEPT:	
	1	PROJECT MGR.	3.0

	DATE:	NO.	JOB.	HRS.
	JUNE 18.	1	PROJECT MGR.	8.0
		1	SUPT.	8.0
		1	ELECT.	8.0
		2	MECHANICS	16.0
		2	SHIFTERS	16.0
		2	MUCKER OPERATORS	16.0
JOHN BIRDWELL STARTED ON SWING SHIFT AS DINKEY OPER.		4	DINKEY "	32.0
" " INJURED HIS LEFT ARM ABOUT 7 A.M.		8	MINERS	64.0
WHEN IT WAS PINCHED BETWEEN THE LOCOMOTIVE		5	CHUCK TENDERS	40.0
AND A MUCK CAR.		2	DUMPMEN.	16.0
	JUNE 19.		SAME AS 6/18 EXCEPT:	
		NO	PROJECT MGR.	
LEE RUIZ ACTING MOTORMAN ON SWING SHIFT.		7	MINERS	56.0
MC FADDEN WORKED BOTH SHIFTS. SCHWELING IN HOSPITAL.		1	MUCKER OPERATOR	16.0
	JUNE 22.		SAME AS 6/18 EXCEPT.	
		NO	PROJECT MGR.	
RIDS ABSENT. TOLMUSOFF ACTING MINER.		8	MINERS	64.0 56.0
MC FADDEN WORKED BOTH SHIFTS. SCHWELING SICK.		1	MUCKER OPERATOR	16.0
A. J. RAPPE INJURED RT. WRIST, FELL IN TUNNEL, TAKEN TO DOCTOR AT NOON HOUR, THEN HOME.		4	CHUCK TENDERS	32.0

TOLMOSOFF ACTING MINER TODAY. RIOS ABSENT.
 RAPPE ABSENT WITH INJURED WRIST.

Mc FADDEN OFF.
 SCHMELING WORKED BOTH SHIFTS TODAY.
 BAILEY LAID OFF AT END OF SHIFT AS MOTORMAN.

RUIZ ACTING MOTORMAN. SPURLING 6 HRS. ONLY.

SCHMELING WORKED BOTH SHIFTS AGAIN TODAY.
 Mc FADDEN OFF.

DATE:	No.	JOB.	Hrs.
JUNE 23.	1	SUPT.	8.0
	1	OFFICE MGR	8.0
	1	ELECT.	8.0
	2	MECHANICS	16.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	4	DINKEY "	32.0
	8	MINERS	64.0
	3	CHUCK TENDERS	24.0
	2	DUMPMEN.	16.0
JUNE 24.		SAME AS 6/23 EXCEPT:	
	4	CHUCK TENDERS	32.0
JUNE 25.		SAME AS 6/23 EXCEPT:	
	1	MUCKER OPERATOR	16.0
	4	CHUCK TENDERS	32.0
JUNE 26,		SAME AS 6/23 EXCEPT:	
	7	MINERS	54.0
	4	CHUCK TENDERS	32.0
	1	MUCKER OPERATOR	16.0

MC CLURE QUIT AT END OF SHIFT - MOTORMAN

RUIZ ACTING MOTORMAN.

TOLMOSOFF PROMOTED TO MINER TODAY.

JOHNZE ABSENT.

RUIZ & ROBT AMES ACTING MOTORMAN.

DAVID ESPINOSA STARTED AS C.T. QUIT AT END SHIFT.

RUIZ PROMOTED TO REGULAR MOTORMAN.

PASTRANA ACTING MINER. RIOS ABSENT.

ROBT. AMES ACTING MOTORMAN.

GAYLORD MILLER STARTED AS CHUCK TENDER TONITE.

DATE:	NO.	JOB.	HRS.
JUNE 29, 55	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECHANICS	16.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	4	DINKEY "	16.0
	8	MINERS	64.0
	3	CHUCK TENDERS	24.0
	1	DUMPMEN.	8.0
JUNE 30.		SAME AS 6/29 EXCEPT:	
	7	MINERS	56.0
	4	CHUCK TENDERS	32.0
	2	DUMPMEN.	16.0
JULY 1.		SAME AS 6/29 EXCEPT:	
	8	MINERS	56.0
	2 3	CHUCK TENDERS	16.0 24.0
	2	DUMPMEN.	16.0

MR. PENNEBOHM ARRIVED AT 11 A.M.

PORT, AMES ACTING MOTORMAN.

BEAMER ACTING MINER.

MR. PENNEBOHM LEFT FOR SAN DIEGO AT 9:30 A.M.

RIOS WORKED 4 HRS. ONLY. AMES - MOTORMAN, BEAMER - MINER.

MCATZEE ABSENT. PORT, AMES PROMOTED TO MOTORMAN.

ERICKSON WORKED 4 HRS. ONLY. RIOS QUIT TODAY.

BEAMER & PASTRANA ^{PROMOTED TO} ~~ACTING~~ MINERS TONITE.

M.P. ASMUS RUPTURED A BLOOD VESSEL IN HIS RIGHT ARM AT 4 P.M., WHEN MUCK CAR JUMPED THE TRACK AND PINCHED HIS ARM AGAINST THE WALL.

DATE:	No.	JOB.	Hrs.
JULY 2, '53	1	PROJECT MGR.	5.0
	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECHANICS	16.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	4	DINKY "	32.0
	8	MINERS	64.0
	3	CHUCK TENDERS	24.0
	2	DUMPMEN	16.0
JULY 3.		SAME AS 7/2 EXCEPT:	
	1	PROJECT MGR.	0.5
	8	MINERS	60.0
JULY 6, '53		SAME 7/2 EXCEPT:	
	NO	ELECT. TIME.	
	8	MINERS	60.0
	2	CHUCK TENDERS	16.0

JOHN D. NICHOLS INJURED HIS BACK AND LEFT KNEE
WHEN SCRAPED AGAINST SIDE OF TUNNEL, 10¹⁵ A.M.

S.W. EVANS STARTED AS CHUCK TENDER TODAY.

ASIMUS ABSENT TODAY, C.T.

NICHOLS RETURNED TO WORK, O.K., NO INJURY TO BACK.

TOLMOSOFF WORKED 6 HRS. ONLY. ALVIN AMOS ABSENT.

EVANS ACTING MINER TONITE.

PASTRANA ABSENT TONITE.

DATE:	No.	JOB.	Hrs.
JULY 7, 53.	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECHANICS	16.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	4	DINKEY "	32.0
	8	MINERS	64.0
	2	CHUCK TENDERS	16.0
	2	DUMPMEN	16.0
JULY 8.		SAME AS 7/7 EXCEPT:	
	8	MINERS	62.0
	32	CHUCK TENDERS	16.0 24.0
JULY 9.		SAME AS 7/7 EXCEPT:	
	3	CHUCK TENDERS	24.0
JULY 10.		SAME AS 7/7 EXCEPT:	
	7	MINERS	56.0
	3	CHUCK TENDERS	24.0

HARROUN CHANGED FROM POWDERMAN TO M. OPER.
 MC FADDEN ABSENT - HAS THE MUMPS.

TOLMOJOFF ABSENT. EVANS PROMOTED TO MINER.
 A. AMES SICK. F. BEAMER QUIT ON DR.'S ORDERS.

MC FADDEN & A. AMES OFF - SICK.

MC FADDEN SICK. EVANS C.T. AGAIN. A. AMES BACK.

C. ERICKSON QUIT AT END OF SHIFT TODAY - MINER.

R. E. WILSON STARTED AS CHUCK TENDER TODAY.

MC FADDEN STILL SICK. - MUMPS.

MILLER PROMOTED TO MINER ON DAY SHIFT.

DATE:	No.	JOB.	Hrs.
JULY 13, '53	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECHANICS	16.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	4	DINKEY "	32.0
	5	MINERS	40.0
	2	CHUCK TENDERS	16.0
	2	DUMP MEN	16.0
JULY 14, '53		SAME AS 7/13 EXCEPT:	
	6	MINERS.	48.0
JULY 15,		SAME AS 7/13 EXCEPT:	
	6	MINERS	48.0
	4	CHUCK TENDERS	32.0
JULY 16.		SAME AS 7/13 EXCEPT:	
	6	MINERS	48.0
	3	CHUCK TENDERS	24.0
JULY 17.		SAME AS 7/16.	

WORKED IN HEADING DIGGING DRAINAGE DITCH.

DATE:	No.	JOB.	Hrs.
JULY 18, '53	1	SUPT.	8.0
SATURDAY	1	MECHANIC - MASON.	8.0
OVERTIME.	1	DINKEY OPER. - R. AMES	8.0
	2	MINERS - CLUBB & A. AMES.	16.0
JULY 20.	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECHANICS	16.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	4	DINKEY "	32.0
	5	MINERS	40.0
	2	CHUCK TENDERS	16.0
	2	DUMPMEN	16.0
	3	SAME AS 7/20 EXCEPT:	24.0
	6	CHUCK TENDERS	48.0
		MINERS	
JULY 21.		SAME AS 7/21	
JULY 22.		SAME AS 7/21	
" 23.		SAME AS 7/21 EXCEPT:	
	4	CHUCK TENDERS	32.0
	1	PROJECT MGR.	4.0

McFADDEN SICK.

A. AMES & TOLIMOSOFF ABSENT.

EVANS PROMOTED TO MINER ON SWING SHIFT

A. AMES CHANGED TO DUMPMAN; B. JOHNSON TO CHUCK TENDER

D. TALAMONTE STARTED AS CHUCK TENDER ON DAYS.

DATE:	No.	JOB:	Hours:
JULY 24.	1	SUPT:	8.0
	1	OFFICE MANAGER	8.0
	1	ELECTRICIAN	8.0
	2	MECHANICS	16.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	4	DINKEY "	32.0
	6	MINERS	48.0
	4	CHUCK TENDERS	32.0
	2	DUMPMEN	16.0
		SAME AS 7/24 EXCEPT:	
JULY 27.	7	MINERS	56.0
" 28.		SAME AS 7/27.	
" 29.		SAME AS 7/27.	
" 30.		SAME AS 7/27.	
" 31.		SAME AS 7/27 AND:	
	1	PROJECT MANAGER	4.0
AUG. 3		SAME AS 7/27.	.
" 4		SAME AS 7/27.	

McFADDEN SICK.

McFADDEN RETURNED - WORKING AS POWDERMAN.

McFADDEN RESUMED WORK AS MUCKER OPERATOR.

SCHMELING REVERTED TO MOTORMAN; R. AMES TO MINER.

	DATE:	NO.	JOB.	HOURS.
	AUG. 5, '53	1	SUPT.	8.0
		1	OFFICE MGR.	8.0
		1	ELECT.	8.0
		2	MECHANICS	16.0
		2	SHIFTERS	16.0
		2	MUCKER OPERATORS	16.0
		4	DINKEY "	32.0
S.W. EVANS ABSENT TODAY, MINER.		6	MINERS	48.0
		4	CHUCK TENDERS	32.0
		2	DUMPMEN	16.0
	AUG. 6		SAME AS 8/5 EXCEPT:	
		7	MINERS	56.0
PASTRANA ABSENT TONITE.	AUG. 7.		SAME AS 8/5	
	AUG. 10.		SAME AS 8/5 EXCEPT:	
McFAROEEN WORKED BOTH SHIFTS. HARROUN IN ACCIDENT.		1	MUCKER OPERATOR	16.0
TALAMONTE ABSENT TODAY. TOLMOZOFF ABSENT.		3	CHUCK TENDERS	24.0
SCHMELING CHANGED TO MUCKER OPERATOR; PORT.	AUG. 11.		SAME AS 8/5 EXCEPT:	
AMER CHANGED TO DINKEY OPERATOR.		5	MINERS	40.0
TOLMOZOFF ABSENT. TALAMONTE TERMINATED.		3	CHUCK TENDERS	24.0

DATE:	NO.	JOB.	HOURS.
AUG. 12, '53	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECHANICS	16.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	4	DINKEY OPERATORS	32.0
	6	MINERS	48.0
	3	CHUCK TENDERS	24.0
	2	DUMPMEN	16.0
AUG. 13.		SAME AS 8/12 AND:	
	1	PROJECT MANAGER	3.0
AUG. 14.		SAME AS 8/12	
AUG. 17.		SAME AS 8/12 EXCEPT:	
	2	CHUCK TENDERS	16.0
AUG. 18.		SAME AS 8/17.	
AUG. 19.		SAME AS 8/17 EXCEPT:	
	3	MECHANICS	24.0
	4	CHUCK TENDERS	32.0

WILSON PROMOTED TO MINER TODAY.

G. PASTRANA LAID OFF AS MINER.

MECHANIC.

MARC. WOOLSTENHULME REPORTED FOR WORK AS

F. ST. CLAIR AND G. McMAHAN STARTED AS CHUCK T.

McMAHAN QUIT AT END OF 1ST. SHIFT.

MR. PENNERDYM WAS HERE FROM 5 TO 11 A.M.

ROGER HEIDEMAN QUIT TONITE AS HEAD MECH.

S.W. EVANS QUIT. RUDY AMES STARTED AS MINERS.

J.O. BROOKS STARTED AS C.T. - QUIT AFTER 1 HR.
PAID 2 HRS. SHOW UP TIME

DATE:	NO.	JOB:	HOURS:
AUG. 20.	1	PROJECT MANAGER	3.0
	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	3	MECHANICS	24.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	4	DINKEY "	32.0
	7	MINERS	56.0
	3	CHUCK TENDERS	24.0
	2	DUMPMEN	16.0
AUG. 21.	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECHANICS	16.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	4	DINKEY "	32.0
	6	MINERS	48.0
	4	CHUCK TENDERS	26.0
	2	DUMPMEN	16.0

DATE:	NO.	JOB:	HOURS:
AUG. 24, '53	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECHANICS	16.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	4	DINKEY "	32.0
	67	MINERS	56.0 48.0
	3	CHUCK TENDERS	24.0
	2	DUMP MEN	16.0
AUG. 25.		SAME AS 8/24.	
" 26.		SAME AS 8/24 EXCEPT:	
	6	MINERS	48.0
	3	CHUCK TENDERS	24.0
AUG. 27.		SAME AS 8/24 AND:	
	1	PROJECT MGR.	4.0
AUG. 28.		SAME AS 8/24.	
AUG. 29.		SAME AS 8/24.	

D. JONES STARTED AS A MINER TONITE

TOLMOSOFF ABSENT TODAY.

JOHNIE LEFT 1 HR. EARLY TODAY. PERSONAL BUS.

MR. RENNERTHOM CAME IN AT NOON TODAY

TOM CLUDD ABSENT TODAY. MOTHER ILL.

MANUEL RUIZ STARTED AS C.T. TONITE.

ALVIN AMES ABSENT.

MR. RENNERTHOM LEFT FOR L.A. AT 3:30 P.M.

MR. RYENSON LEFT AT 10:30 A.M. TO SEE A DOCTOR.

LEE RUIZ ABSENT. MILLER ACTING MOTORMAN.

A. AMES + T. CLUDD BACK TO WORK TODAY.

FRANK CLARY REPORTED AS SUPT. AT 3:30 P.M.

A. AMES ABSENT TODAY. WIFE HAD A BABY BOY.

D. JONES, MINER, ABSENT TONITE. CAR BROKE DOWN

DATE:	No.	JOB.	HOURS.
SEPT. 1, '53	1	PROJECT MGR.	4.0
	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECHANICS	16.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	4	DINKEY "	32.0
	6	MINERS	48.0
	4	CHUCK TENDERS	32.0
	1	DUMPMEN	8.0
SEPT. 2	1	PROJECT MGR.	7.0
	1	SUPT.	8.0
		REST SAME AS 9/1. EXCEPT:	
	2	DUMPMEN	16.0
SEPT. 3.		SAME AS 9/1 EXCEPT:	
	2	SUPT'S.	9.0
	1	DUMPMAN	8.0
	NO	PROJECT MGR.	

FRANK CLARY BREAKING IN AS SUPT.

T. CLARR & O. JONES ABSENT. CLARR'S MOTHER DIED.

REN JOHNSZ, C.T., QUIT AT END OF SHIFT TODAY.

OSCAR BENSON LEFT AS SUPT. TO HAVE OPERATION.
J.P. RIOS STARTED AS CHUCK TENDER.
G. MILLER WORKED ONLY 4 HRS TODAY. JONES ABSENT.

MR. PENNEROHM CAME IN AT 10 A.M. FOR THE DAY

M. ASMUS QUIT. O. JONES ABSENT.
DAVE TOLMOSEFF QUIT. A. AMES CHANGED TO MINER.

JOHN MURRILLO STARTED AS CHUCK TENDER.

J.P. RIOS CHANGED FROM C.T. TO DUMPMAN.

DATE:	NO.	JOB:	HOURS:
SEPT. 4, 53	2	SUPT'S.	16.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECH'S.	16.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS.	16.0
	4	DINKY "	32.0
	5	MINERS	40.0
	4	CHUCK TENDERS	32.0
	2	DUMPMEN	16.0
SEPT. 8,		SAME AS 9/4 EXCEPT:	
	6	MINERS	44.0
SEPT. 9.		SAME AS 9/4 EXCEPT:	
	1	PROJECT MGR.	6.0
	1	SUPT.	8.0
	6	MINERS	48.0
	5	CHUCK TENDERS	24.0

MR. BENNERSON LEFT AT 11 AM. FOR L.A.

D. JONES, MINER ON DAY SHIFT, STILL ABSENT.
TOM CLURG, POWDERMAN, ABSENT. CATTLE TROUBLE.
DAVE TOLMOSEFF REHIRED ON DAY SHIFT AS MINER
CARL ERICKSON REHIRED AS C.T. ON SWING SHIFT.

D. JONES & TOM CLURG RETURNED TO WORK TODAY.
F. ST. CLAIR QUIT AS C.T. AT END OF SHIFT TODAY.
JOHN GARCIA STARTED AS C.T. ON DAY SHIFT TODAY.

W.D. GREENLEE CAME IN FROM CATALGO JOB AS
DOZER OPER. TO BUILD NEW ROAD AT H. PORTAL.

DATE:	NO.	JOB.	HOURS.
SEPT. 10.	1	PROJECT MGR.	9.0
	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECH'S.	16.0
	2	SHIFTERS	16.0
	2	MUCKER OPER'S	16.0
	4	DINKEY "	32.0
	6	MINERS	48.0
	4	CHUCK TENDERS	32.0
	2	DUMPMEN	16.0
SEPT. 11		SAME AS 9/10 EXCEPT:	
	NO	PROJECT MGR. TIME.	
	8	MINERS	64.0
	5	CHUCK TENDERS	40.0
SEPT. 14.		SAME AS 9/10 EXCEPT:	
	NO	PROJECT MGR. TIME.	
	7	MINERS	56.0
	1	DOZER OPERATOR	8.0

DATE:	NO:	JOB:	HOURS:
SEPT. 15.	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECHANICS	16.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	4	DINAEE "	32.0
	7	MINERS	56.0
	4	CHUCK TENDERS	32.0
	2	DUMPMEN	16.0
	1	DOZER OPERATOR	8.0
SEPT. 16		SAME AS 9/15 AND:	
	1	PROJECT MGR.	8.0
SEPT. 17.		SAME AS 9/15 EXCEPT:	
	3	CHUCK TENDERS	24.0
	1	DOZER OPERATOR	8.0*

RAY WILSON QUIT AS MINER AT END OF SHIFT TODAY.

MR. RENNEBOHM WAS HERE FROM 7³⁰ A.M. TO 3³⁰ P.M.

DOZER OPER. LEFT WED. NITE, SEPT. 16. WORK DONE.

JOHN GARCIA CHANGED FROM C.T. TO MINER TODAY.

* PAID 8 HRS TIME IN LIEU OF TRAVEL ALLOWANCE.

NOTE: SWING SHIFT WALKED OFF JOB AT 6 P.M. DUE TO LACK OF SUFFICIENT VENTILATION IN HEADING. OPERATING ENGINEERS MEN PAID FOR 4 HRS. WORK, LABORERS UNION MEN PAID FOR 2 HRS. WORK. SHIFT BOSS PAID FULL TIME; WORKED SATURDAY A.M. WITH SUPT., CLEANING OUT VENTILATION PIPE. JOHN MURILLO, C.T. AND J.P. RIOS, DUMPMAN ON SWING SHIFT QUIT WHEN SHIFT WALKED OUT. DOZER TIME PAID IN LIEU OF 3 HRS. OVERTIME.

NOTE: RAY GARCIA, SHIFTER, ABSENT TONITE, MAX SCHMELING, MUCKER OPER. ACTING SHIFTER TONITE.

F. JONES STARTED AS CHUCK TENDER, 4 HRS. ONLY.

DATE:	NO.	JOB:	HOURS:
SEPT. 18.	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECHANICS	12.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	12.0
	4	DINKEY "	24.0
	7	MINERS	38.0
	3	CHUCK TENDERS	12.0
	2	DUMPMEN	10.0
	1	DOZER OPERATOR	4.5
SEPT. 21.	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECHS.	16.0
	2	SHIFTERS	16.0
	1	MUCKER OPERATOR	8.0
	4	DINKEY "	32.0
	7	MINERS	56.0
	3	CHUCK TENDERS	20.0 24.0
	1	DUMPMAN	8.0

	DATE:	NO.	JOB:	HOURS:
	SEPT. 22.	1	SUPT.	8.0
		1	OFFICE MGR.	8.0
		1	ELECT.	8.0
		2	MECHS.	16.0
		2	SHIFTERS	16.0
		2	MUCKER OPERATORS	16.0
		4	DINKEY "	32.0
		7	MINERS	56.0
		3	CHUCK TENDERS	24.0
		1	DUMPMAN	8.0
	SEPT. 23		SAMERS 9/22 AND	
MR. RENNE BOHM WAS HERE FROM 7:30 TO 11:30 A.M.		1	PROJECT MGR.	4.0
	" 24.		SAME AS 9/22 EXCEPT:	
D. JONES & D. TOLMOSOFF, MINERS, ABSENT TONITE.		5	MINERS	40.0
	" 25.		SAME AS 9/22 EXCEPT:	
JOE GARCIA STARTED AS CHUCK TENDER TONITE.		4	CHUCK TENDERS	32.0
	" 28.		SAME AS 9/22 EXCEPT:	
D. TOLMOSOFF, MINER, ABSENT AGAIN TONITE.		6	MINERS	48.0
F. BEAMER REHIRED AS A DUMPMAN TODAY.		4	CHUCK TENDERS	32.0
		2	DUMPMEN	16.0

DATE:	No.	JOB:	HOURS:
SEPT. 29.	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECH'S.	16.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	4	DINKEY OPERATORS	32.0
	6	MINERS	48.0
	4	CHUCK TENDERS	32.0
	2	DUMPMEN	16.0
SEPT. 30.		SAME AS 9/29.	
OCT. 1		SAME AS 9/29 AND:	
	1	PROJECT MGR.	4.0
OCT. 2.		SAME AS 9/29.	
		TUNNEL HOLED THRU AT 1:49 A.M.	
		TODAY.	

D. TOLMOSSOFF ABSENT AGAIN TONITE.

D. TOLMOSSOFF LAID OFF. - NO WORK TIME.

MR. REINBOHM WAS HERE FROM 8 A.M. TO NOON.

NOTE: FOLLOWING MEN LAID OFF AT END OF WORK TODAY IN ORDER TO CUT CREW TO ONE SHIFTER.

MOTORMEN: J. NICHOLS, L. RUIZ, ROBT. AITES.

MINERS: T. CLARR, D. SPURLING, J. GARCIA, D. JONES.

C.T.'S.: C. ERICKSON, M. RUIZ, JOE GARCIA.

DUMPMEN: F. BEAMER, W. VOGEL.

DATE:	NO.	JOB:	HOURS:
OCT. 5	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	ELECT.	8.0
	2	MECH'S.	16.0
	1	SHIFTER	8.0
	1	MUCKER OPERATOR	8.0
	1	DINKY "	8.0
	2	MINERS	16.0
	3	CHUCK TENDERS	24.0
OCT. 6.		SAME AS 10/5.	
" 7.		" " "	
" 8.		" " "	
" 9.		" " "	
" 12.		" " "	
" 13.		" " " EXCEPT:	
SCHMELING ABSENT. G. GARCIA DINKY OPER. TODAY.	2	CHUCK TENDERS,	
" 14.		SAME AS 10/5	
A.O. McFADDEN SPRAINED LEFT ANKLE WHEN RAIL FELL.	" 15.	" " "	
McFADDEN ABSENT. SCHMELING MUCKER OPERATOR	" 16	" " " EXCEPT:	
GEO. GARCIA DINKY "	2	CHUCK TENDERS	16.0

	DATE:	NO.	JOB:	HOURS:
PENNA BOHM WAS HERE UNTIL 2:30 AM.	OCT. 19.	1	PROJECT MGR.	6.0
		1	SUPT.	8.0
		1	OFFICE MGR.	8.0
		1	ELECT.	8.0
JOHN MASON, MECH., LAID OFF TONITE.		2	MECHANICS	16.0
		1	SHIFTER	8.0
		1	MUCKER OPERATOR	8.0
		1	DINKEY "	8.0
		2	MINERS	16.0
		3	CHUCK TENDERS	24.0
		OCT. 20.		SAME AS OCT. 19 EXCEPT:
	NO	PROJECT MGR. AND		
	1	MECHANIC	8.0	
	" 21.		SAME AS OCT. 20.	
	" 22.		" " " "	
H.E. McATEE, ELECT., LAID OFF TONITE.		" 23.		
ALVIN AMES, CHUCK TENDER, QUIT TONITE.			SAME AS OCT. 20 EXCEPT	
		NO	ELECTRICIAN.	

RAY GARCIA, MINER, ABSENT TODAY.

GEO. GARCIA, C.T., SICK TODAY.

RAY GARCIA BACK TO WORK. GEO. GARCIA STILL SICK.

RESUMED TWO SHIFT STATUS TODAY.

RAY GARCIA CHANGED FROM MINER TO SHIFTER.

JOHN MASON REHIRED AS NIGHT SHIFT MECH.

MAX SCHMELING CHANGED FROM DINKEY TO MUCKER OPERATOR.

DATE:	NO.	JOB:	HOURS:
OCT. 26, '53	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	1	MECH.	8.0
	1	SHIFTER	8.0
	1	MUCKER OPERATOR	8.0
	1	DINKEY "	8.0
	1	MINER	8.0
	1	CHUCK TENDER	8.0
OCT. 27.		SAME AS OCT. 26 EXCEPT:	
	2	MINERS	16.0
OCT. 28.		SAME AS OCT. 26 EXCEPT:	
	2	MINERS	16.0
	2	CHUCK TENDERS	16.0
OCT. 29.		SAME AS OCT. 28.	
" 30.		" " " "	
NOV. 2.		SAME AS OCT. 26 EXCEPT:	
	2	SHIFTERS	16.0
	2	MECHANICS	16.0
	2	MUCKER OPERATORS	16.0

CONTD NEXT PAGE.

LAWRENCE MURILLO HIRED AS DINKEY OPER.
B. GARCIA CHANGED FROM C.T. TO DINKEY OPER.

FRANK JONES PROMOTED TO MINER. WM. VOGEL AND

JOHN GARCIA REHIRED AS MINERS. MANUEL RUIZ

AND JOE GARCIA REHIRED AS CHUCK TENDERS.

MR. PENNEBHAM WAS HERE, IN CONFERENCE WITH
MESSRS. BERIGNE, DEERMAN AND RANKIN, UNTIL 9:30 P.M.

RUDY AMES ABSENT, WIFE HAVING A BABY.

RUDY AMES ABSENT AGAIN TONITE.

DATE:	NO.	JOB:	HOURS:
NOV. 2, '53	2	DINKEY OPERATORS	16.0
CONT'D.	4	MINERS	32.0
	2	CHUCK TENDERS	16.0
NOV. 3		SAME AS NOV. 2, AND IN ADDITION:	
	1	PROJECT MGR.	7.0
NOV. 4.		SAME AS NOV. 2.	
" 5.		" " " " EXCEPT:	
	3	MINERS	24.0
" 6.	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	2	MECH'S.	16.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	2	DINKEY "	16.0
	3	MINERS	24.0
	2	CHUCK TENDERS	16.0

	DATE:	NO.	JOB:	HOURS:
CLARY HAD CAR TROUBLE. ARRIVED 1 P.M. LEFT 5 P.M.	NOV. 9, 59.	1	SUPT.	4.0
		1	OFFICE MGR.	8.0
		2	MECHANICS	16.0
		2	SHIFTERS	16.0
		2	MUCKER OPERATORS	16.0
		2	DINKEY "	16.0
R. ANES WORKED 6 HRS. JOHN GARCIA WORKED 7 HRS.		4	MINERS	29.0 30.0
		2	CHOCK TENDERS	16.0
	NOV. 10.		SAME AS NOV. 9 EXCEPT:	
		1	SUPT.	8.0
		4	MINERS	32.0
MASON 10 HRS. WOOLSTENHULME 8 HRS. 500 COMPRESSOR. OVERHAULING	NOV. 11.	2	MECHANICS	18.0
	NOV. 12.		SAME AS NOV. 10.	
	NOV. 13.		" " " "	
	NOV. 16.		" " " "	
	NOV. 17.		" " " "	
	NOV. 18.		" " " "	
	NOV. 19.		" " " " EXCEPT:	
ARNESON WENT HOME, SICK, AT 9 A.M., RETURNED AT 5:30 AM. AND WORKED UNTIL 4:30 P.M.		1	OFFICE MGR. SICK.	2.0

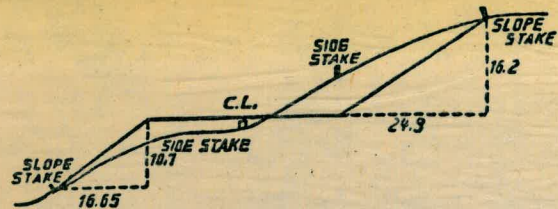
L. MORILLO WORKED BOTH SHIFTS TODAY AS MOTOR
 NOV. 23 - OPER. G. GARCIA AND J. GARCIA ABSENT TODAY.

NOV. 24. JOE GARCIA PROMOTED TO MINER,
 JULIAN (ROY) AMES STARTED AS CHUCK TENDER.
 STARTED PLACING STEEL AT N. END TODAY.

MR. PENNEROMY WAS HERE THIS FORENOON.

MR. F. N. TODD, SUPT. FOR SKOUBEY & ROTHERFORD WAS
 ON THE JOB WITH THE STEEL WORKERS 2 HRS. TODAY.

DATE:	NO.	JOB:	HOURS:
NOV. 20, '53	1	SUPT.	8.0
	1	OFFICE MGR.	8.0
	2	MECH.	16.0
	2	SHIFTERS	16.0
	2	MUCKER OPERATORS	16.0
	2	DINKEY "	16.0
	4	MINERS	32.0
	2	CHUCK TENDERS	16.0
NOV. 23.	1	CHUCK TENDER SAME AS 11-20-EXCEPT.	8.0
" 24		" " " EXCEPT:	
	5	MINERS	40.0
	4	SUB-CONTRACT. STEEL WORKERS	32.0
NOV. 25.		SAME AS 11-20 EXCEPT:	
	1	PROJECT MGR.	4.0
	5	MINERS	40.0
	1	STEEL SUPT.	2.0
	4	STEEL WORKERS	32.0
NOV. 26.		THANKSGIVING - NO WORK. CONT'D IN BOOK TWO.	



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.

SLOPE 1 1/2 TO 1. ROADWAY OF ANY WIDTH.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	0
1	1.50	1.65	1.80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	1
2	3.00	3.15	3.30	3.45	3.60	3.75	3.90	4.05	4.20	4.35	2
3	4.50	4.65	4.80	4.95	5.10	5.25	5.40	5.55	5.70	5.85	3
4	6.00	6.15	6.30	6.45	6.60	6.75	6.90	7.05	7.20	7.35	4
5	7.50	7.65	7.80	7.95	8.10	8.25	8.40	8.55	8.70	8.85	5
6	9.00	9.15	9.30	9.45	9.60	9.75	9.90	10.05	10.20	10.35	6
7	10.50	10.65	10.80	10.95	11.10	11.25	11.40	11.55	11.70	11.85	7
8	12.00	12.15	12.30	12.45	12.60	12.75	12.90	13.05	13.20	13.35	8
9	13.50	13.65	13.80	13.95	14.10	14.25	14.40	14.55	14.70	14.85	9
10	15.00	15.15	15.30	15.45	15.60	15.75	15.90	16.05	16.20	16.35	10
11	16.50	16.65	16.80	16.95	17.10	17.25	17.40	17.55	17.70	17.85	11
12	18.00	18.15	18.30	18.45	18.60	18.75	18.90	19.05	19.20	19.35	12
13	19.50	19.65	19.80	19.95	20.10	20.25	20.40	20.55	20.70	20.85	13
14	21.00	21.15	21.30	21.45	21.60	21.75	21.90	22.05	22.20	22.35	14
15	22.50	22.65	22.80	22.95	23.10	23.25	23.40	23.55	23.70	23.85	15
16	24.00	24.15	24.30	24.45	24.60	24.75	24.90	25.05	25.20	25.35	16
17	25.50	25.65	25.80	25.95	26.10	26.25	26.40	26.55	26.70	26.85	17
18	27.00	27.15	27.30	27.45	27.60	27.75	27.90	28.05	28.20	28.35	18
19	28.50	28.65	28.80	28.95	29.10	29.25	29.40	29.55	29.70	29.85	19
20	30.00	30.15	30.30	30.45	30.60	30.75	30.90	31.05	31.20	31.35	20
21	31.50	31.65	31.80	31.95	32.10	32.25	32.40	32.55	32.70	32.85	21
22	33.00	33.15	33.30	33.45	33.60	33.75	33.90	34.05	34.20	34.35	22
23	34.50	34.65	34.80	34.95	35.10	35.25	35.40	35.55	35.70	35.85	23
24	36.00	36.15	36.30	36.45	36.60	36.75	36.90	37.05	37.20	37.35	24
25	37.50	37.65	37.80	37.95	38.10	38.25	38.40	38.55	38.70	38.85	25
26	39.00	39.15	39.30	39.45	39.60	39.75	39.90	40.05	40.20	40.35	26
27	40.50	40.65	40.80	40.95	41.10	41.25	41.40	41.55	41.70	41.85	27
28	42.00	42.15	42.30	42.45	42.60	42.75	42.90	43.05	43.20	43.35	28
29	43.50	43.65	43.80	43.95	44.10	44.25	44.40	44.55	44.70	44.85	29
30	45.00	45.15	45.30	45.45	45.60	45.75	45.90	46.05	46.20	46.35	30
31	46.50	46.65	46.80	46.95	47.10	47.25	47.40	47.55	47.70	47.85	31
32	48.00	48.15	48.30	48.45	48.60	48.75	48.90	49.05	49.20	49.35	32
33	49.50	49.65	49.80	49.95	50.10	50.25	50.40	50.55	50.70	50.85	33
34	51.00	51.15	51.30	51.45	51.60	51.75	51.90	52.05	52.20	52.35	34
35	52.50	52.65	52.80	52.95	53.10	53.25	53.40	53.55	53.70	53.85	35
36	54.00	54.15	54.30	54.45	54.60	54.75	54.90	55.05	55.20	55.35	36
37	55.50	55.65	55.80	55.95	56.10	56.25	56.40	56.55	56.70	56.85	37
38	57.00	57.15	57.30	57.45	57.60	57.75	57.90	58.05	58.20	58.35	38
39	58.50	58.65	58.80	58.95	59.10	59.25	59.40	59.55	59.70	59.85	39
40	60.00	60.15	60.30	60.45	60.60	60.75	60.90	61.05	61.20	61.35	40
41	61.50	61.65	61.80	61.95	62.10	62.25	62.40	62.55	62.70	62.85	41
42	63.00	63.15	63.30	63.45	63.60	63.75	63.90	64.05	64.20	64.35	42
43	64.50	64.65	64.80	64.95	65.10	65.25	65.40	65.55	65.70	65.85	43
44	66.00	66.15	66.30	66.45	66.60	66.75	66.90	67.05	67.20	67.35	44
45	67.50	67.65	67.80	67.95	68.10	68.25	68.40	68.55	68.70	68.85	45
46	69.00	69.15	69.30	69.45	69.60	69.75	69.90	70.05	70.20	70.35	46
47	70.50	70.65	70.80	70.95	71.10	71.25	71.40	71.55	71.70	71.85	47
48	72.00	72.15	72.30	72.45	72.60	72.75	72.90	73.05	73.20	73.35	48
49	73.50	73.65	73.80	73.95	74.10	74.25	74.40	74.55	74.70	74.85	49
50	75.00	75.15	75.30	75.45	75.60	75.75	75.90	76.05	76.20	76.35	50

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