

W 464

W464A

West end of Sec #11 - Sta 2+88

KEUFFEL & ESSER CO.
DRAWING MATERIALS
AND
SURVEYING INSTRUMENTS.
NEW YORK.

CHICAGO. ST. LOUIS. SAN FRANCISCO. MONTREAL.

TABLES FOR EXCAVATIONS AND EMBANKMENTS.

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

ROADWAY 18 FEET WIDE. SIDE SLOPES 1 TO 1.

FOR SINGLE TRACK EXCAVATION.

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	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	0
1	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	1
2	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	2
3	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	3
4	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	4
5	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	5
6	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	6
7	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	7
8	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	8
9	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	9
10	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	10
11	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	11
12	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	12
13	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	13
14	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	14
15	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	15
16	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	16
17	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	17
18	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	18
19	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	19
20	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	20
21	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	21
22	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	22
23	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	23
24	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	24
25	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	25
26	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	26
27	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	27
28	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	28
29	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	29
30	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	30
31	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	31
32	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	32
33	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	33
34	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	34
35	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	35
36	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	36

Calculated by Julien A. Hall, M. Am. Soc. C. E.

C.M. Reed Excav. Inspector
From Sept - 1-1933 To Nov 22 - 1933
INCLUSIVE

#1 - 6.7 39 } 06 04 48 E F
2 - 6.5 33 } 4.1 yds
3 - 6.4 40 }
39-33 - 4.1 103 x 18 x 6 - 4.1

Thursday
53 shots - 275 feet.
53 fuse

50 pikes

1-5-3-6-2



24
15
120
24
360
48
160
400

Bathhouse
Pole & Billon

Great O.C.
7 Cullwater
5 Sax Cement



1500
13500
1500
7500
3750
167
140
668
668
67
24,048

12.10.79 - 5-y ds

417
580
20
15
30

4.17 - the lowest part

464

CM Reed

Index

9/33 - 11/33

Spirway Ex + to Trisp 1-148

Earth Movement N of N. Slope 149-156

Points on slide 155

09-5-33 6 AM Spillway

spoil west 1 Dump Man P#0

Equip Shovel #8 4400 Sta 440 50 Ns
7. N.S. 06 8700 720

Spill. 1 Comp 8 Cat 1 J.H. 1 Nipper F.M. No 2 H

06 1 Comp 2 J.H. El. 725 out 10:30
To Road El. 665

Spill. 5 quarrying 08. 40. P.M. 3

Spill. 1 loader Pwdt Foreman - in nipper

DL #10 NE 1/4 Dan sec. El. 775 + Modules
out 7:30

Trucks 31-23-15-1-2-4-3-40 39

945 level
Grader 8 Cat in 8th out
Driver - Grader Man

Road 2 J.H. 4 P.M.

Bring 2nd comp to spillway 1:30 P.M.

140 #8 to sta 4450 80 from N# 100

Take out 1 Comp 1:50 P.M.

No 7 Down 1st to 2nd

Cannolly - Part Time

Crack #1 15 3/4

#2 - 15 7/8

#3 - 15"

#4 - 15 7/16

#5 - 15 1/8

#6 - 15 1/8

#7 - 7 3/4

#8 - 30 7/8

upstream Face

#1 8:03 4 1/2 yds	#1-12 3/8 - 5 yds
#2 7:30 5 yds	#3-1 1/2 - 4 1/2 yds
#1 9:24 5 1/2 yds	#2-1 4/4 - 5 yds
#2 9:18 6 1/2 yds	#2-2 4/8 4 yds
#2 9:40 5 yds	
#2 9:50 6 yds	
#3 9:28 5 yds	
#2 10:08 5 yds	
#1 10:12 5 1/2 yds	
#3 9:15 4 1/2 yds	
#2 10:34 5 yds	
#1 10:20 4 1/2 yds	
#3 10:31 5 yds	
#1 11:56 5 1/2 yds	
#2 7:20 5 1/2 yds	
#3 10:07 6 yds	
#2 - 12:15 0 = 6 yds	
#1 12:21 5 yds	
#1 - 12:38 6 yds	

1/4

23

Wed - 6-33 6 AM

Spillway Shovel #8: 06R Sta 4400 60'S To 0
830 To 3450 - 50' from Top El. 150
#7 06R wall End 06: El. 740 - At Top
at east Abl IV all

Spill 6 M. 00 Quarrying - Pwdt Bass - 1 loader
8 PM

Trucks 40-44-23-15-31
06 1-Comp 1 J.H. 1 Nipper 2 Quarrying Dressing
06 4 J.H. P.M.

06 - Trucks 1-2-3
1-Comp El. 764 4 J.H. 1 Nipper
1-Comp El. 700

Road
Cat & Blade on roads 10:00

Note 12:00 start dump so side road 06 Sta 1450
Trucks 102. Move 1 man Spillway to Dump
21 load start
comp. to move to East Fill. 4 PM to
drill for block bolting Modules

Cannolly - Part Time
Note My watch 5' Behind time
Keeper checkers

Cracks 11:00 AM

#1-15 7/16	#1-9 1/5 5 1/2 yds
#2-15 7/16	#1-9 2/8 5 1/2 yds
#3-15 1/8	#1-9 1/2 5 1/2 yds
#4-15 7/16	#3-9 5/8 6 yds
#5-15 1/8	#1-9 5/8 6 yds - D.C.
#6-15 1/8	#3-10 2/8 5 yds on upstream
#7-7 3/4	#4-11 2/8 4 yds
#8-30 7/8	#1-11 5/8 6 yds
	#2-1 3/8 6 yds side
	#2-1 3/8 6 yds
	#1-2 4/5 6 yds
	#2-3 PM 6 yds

1/4

12

3 Thu. Sept 7-1933 6 AM Fog

Note My time 2" Stanley Nodules match

#9 moved in of Noon 5418 El. 750
150' from No. 700

Spillway & Equip

Shovel #8 51a 4400 El. 750 60' S. of N Top

Shovel #7 51a 4480 El. 750 150' S. of N Top
1 - Comp. Idler - start 6:30 1 - JH. 1 - Nipper

Trucks 1-2-3-15-23-34-40-31-39-11-7

Waste widening road So. Side O.R.
station 1456.

8:50 part of waste to west Pump

Labor. 7 men Sweeping & Dressing.

Compressor man

1 Dumpman on road

Cannolly. Port time Panola Foreman
Cot & Blade Thru 9:15

Q6 6:30 #10 Drag line in El. 725 ^{start cleaning} 500' at all 845

1. Comp. El. 704 on road El. 700 1 Loader
1. Comp. El. 711 4 JH. 1 Nipper

1 man loading nodules for shooting thru 8:00
1200th face

2:20 PM

Upstream
side

#1-15 1/16

#2-15 3/8

#3-15 1/8

#4-15 5/16

#5-15 3/8?

#6-15 5/16

#7-7 3/4

#8-30 3/8

#1-6 00 5 1/2 yds

#2-6 00 5 1/2

#15-6 20 5 1/2

#23-6 00 5 1/2

#15-6 00 5 1/2

#23-6 45 5 1/2

#15-6 50 5 1/2

#23-7 00 5 1/2

#11-8 00 6

#23-8 00 6 yds

#15-8 00 6 yds

#15-9 00 6 yds

#11-9 00 5 1/2 yds

#15-9 25 5 1/2 yds

#11-9 50 5 1/2 yds

#15-10 00 7 yds

#15-11 50 6 1/2

#15-12 00 6 1/2

#15-12 47 6 1/2

#23-12 50 6 1/2

#75-1 00 6 1/2

#23-1 00 5 1/2

#15-1 00 5 1/2

#23-1 20 5 1/2

#15-2 00 5 1/2

#15-2 20 5 1/2

#15-2 20 5 1/2

#15-2 20 5 1/2

#15-2 20 5 1/2

#15-2 20 5 1/2

#15-2 20 5 1/2

#15-2 20 5 1/2

4

10-28-33 7:20 am 2 drillers on Nodules

9:30 am 2 drillers on large rock
not required to be shot as
being nodules

10:15 am Driller on Nodules and 1
on broken rock

Continued Notes from page 97 - 10-28-33

went to camp at 11:30 to report to
Mr Wood. Did not see him as he
was reported as having left camp

2 PM upper Emb. 1 driller Nodule
1 driller large slab spillway rock

10-30-33 9:20 am went to upper
emb where two drillers were working
one was drilling a slab of spillway
rock and the other was drilling
a circular slab of spillway rock.

10-30-33 3:50 pm Cannolly wants
all nodules requiring drilling to
be marked by a distinguishing
mark. I told him to call Mr Wood
He also stated that a compressor
will be ready at 7 am tomorrow.
He said he would call Mr Wood
I left note for Mr Wood
4:30 PM - I told Mr Wood

(50)

9 Monday Sept 11 33

Spillway

Equip

R.O

Shovel #6 El. 745 - sta 4400 Navid 26 line

working south

1130 El. 745 - sta 4425

R.O

Shovel #7 El. 770 sta 4475 - 50.06 line

1130 El. 770 - sta 440 - 50.5 - 51.06 line

R.O

Shovel #8 El. 755 sta 3775 50.5 No Toe

1130 El. 755 sta 5425

R.O

Shovel #9 El. 740 sta 5150 - 80.50 No Toe

1130 El. 740 - 100.5 - No Toe

ROSKIP 6 shaft bucket

EL. 740 El. 740 sta 1400 50.06. well

1130 same

R.O

Shovel #12 El. 745 - sta 5100 - on line No Toe

1130 El. 745 sta 5100 200

TRUCKS 1-2-3-7-8-17-18-26-23-24

25-39-40-50

On waste west 6 S. of Road

4 - Comp. spill. 4-JH. spill floor & Conolly Part
1-JH. slope No cut 1-JH. OC.

1 - Comp. OG.

1 - Power Foreman. 1 loader. 3 helpers. 2 rippers.

1 - Comp. man

1 - Bull dozer spill

1 - E. Emb

50-7K - 7m 14

20% rock to dump

7-23 - 616 - 6 1/2 7-23 - 9 5/8 - 6 1/2

8-24 - 615 7-17 - 9 5/8 - 5 1/2

7-17 - 614 7-23 - 10 2/8 - 5 1/2

7-23 - 613 7-26 - 10 1/2 - 5 1/2

7-17 - 612 7-17 - 10 2/8 - 6 1/2

12-23 - 612 7-23 - 10 2/8 - 6 1/2

7-17 - 611 12-24 - 11 1/2 - 6

7-23 - 610 12-2 - 11 1/2 - 4

7-17 - 609 12-24 - 12 1/2 - 5 1/2

12-1 - 608 12-18 - 12 1/2 - 5 1/2

7-23 - 607 8-18 - 12 5/8 - 5 1/2

7-17 - 606 8-24 - 10 3/8 - 6 1/2

12-26 - 605 8-18 - 10 9/8 - 5 1/2

7-23 - 604 8-18 - 13 - 6 1/2

12-1 - 603 8-24 - 13 5/8 - 5 1/2

7-17 - 602 8-18 - 14 5/8 - 6 1/2

7-23 - 601 8-18 - 20 4/8 - 5 1/2

6-25 - 600 8-24 - 20 8/8 - 6

7-17 - 599 8-24 - 24 5/8 - 5 1/2

6-25 - 598 6-25 - 6

7-23 - 597 6-25 - 6

7-17 - 596 6-25 - 6

7-23 - 595 6-25 - 6

7-17 - 594 6-25 - 6

7-23 - 593 6-25 - 6

12-24 - 592 6-25 - 6

7-17 - 591 6-25 - 6

12-1 - 590 6-25 - 6

12-2 - 589 6-25 - 6

7-23 - 588 6-25 - 6

7-17 - 587 6-25 - 6

7-17 - 586 6-25 - 6

12-24 - 585 6-25 - 6

12-23 - 584 6-25 - 6

7-17 - 583 6-25 - 6

Gravel - 3 spill

DB cutoff 8 Foreman

4-15-7/16 12:10 PM #7-7/16
#1-16 7/8 #5-15 1/4 #8-30-7/8
#7-15 7/8 #3-15 1/8 #6-14 1/16

Note - 10:00 AM shot debris on sta 5125 to sta 5150.
100' x 70' for sand or down stream from sta 1
Blocked 7 trucks back to dump

11 Tue Sept 12
Spillway

Equip

El 745 Sta 5725 - 200' S. No Tor

3.26

Sta - El. 675 - NW Cor. Cor. pool surface
rock

Sta 8 El. 745 Sta. 5725 - 50 So. of S.O. wall

Sta 9 El. 745 Sta 6700 - 200' S. No Tor

Sta 10 El. 745 Sta 1750 S.O. &

Sta 17 El. 745 Sta 4400 125' So No Tor

Trucks 18-20-18-25-40-39-29-50-20-7-8

17-25 - 44-20

#1-16 1/2

#7-15-11 1/2

#3-15-18

#4-15 7/16

#5-15 1/2

#6-14 5/16

#7-7 7/8

#8-30 7/8

#9-12 3/4

1-Comp - 2 H. 1 mppor DG
1-Comp - 2 H. - 1 . . . NW Cor. Cor. Pool
3-Comp - 5 H. - 2 m - 2 mppor - 2 madders
1 Compman - 1 Power Foreman

Was 10-5-NG No Emb. DG
5-15-2-16-6 1/2 5-18-2-23 6 1/2
5-24-2-21-6 5-15-2-25 5 1/2
5-15-2-31-6 5-18-3-20 6 1/2
5-18-2-36-5 1/2
5-15-2-25-6

Quarry - 9-08-1 Foreman
4-Spill No. slope

2 dump
man

Note: Road to lower
Emb. from large
surface Douglas
on north point

Sta	El	Sta	El	Sta	El
3-603	5 L	5-17-825	6 L	5-40-1010	6 L
3-40-003	5 1/2 L	5-18-825	5 1/2 U	5-40-1010	6 1/2 U
18-615	6 U	5-40-840	6 L	24-1010	5 1/2 U
40-620	5 L	5-17-842	6 L	20-1010	5 U
1-623	6 1/2 U	5-40-860	5 1/2 U	24-1010	6 U
18-630	7 L	5-18-875	5 1/2 L	17-1130	6 U
3-40-635	4 L	5-40-885	6 L	5-18-1135	6 L
25-640	7 U	5-18-901	6 1/2 U	26-1135	7 U
5-40-643	4 L	3-40-907	6 L	20-1140	5 1/2 U
5-40-655	5 1/2 L	20-920	6 U	5-24-1140	6 1/2 L
25-700	7 U	17-915	5 1/2 U	5-18-1155	6 1/2 U
5-18-705	3 L	5-40-917	6 1/2 L	5-24-1155	6 1/2 U
5-40-715	6 1/2 U	24-925	6 U	23-1215	6 U
24-719	6 1/2 U	5-40-925	5 1/2 L	5-18-1215	6 L
5-40-720	6 L	39-925	6 U	5-18-1215	6 L
39-720	6 1/2 U	5-18-931	7 1/2 L	5-24-1220	6 L
25-720	6 U	24-935	6 U	5-18-1230	6 1/2 U
5-18-725	6 1/2 U	25-935	6 L	5-24-1235	7 L
3-740	6 U	5-40-937	6 L	5-18-1245	7 L
17-740	6 1/2 U	17-939	6 L	5-18-1250	6 1/2 L
24-745	6 1/2 L	5-18-943	7 L	5-24-1250	6 L
5-40-745	6 L	25-945	6 1/2 U	5-18-1250	6 L
39-747	6 U	39-947	6 U	5-18-1250	6 L
5-18-748	6 L	24-948	6 U	5-24-1250	5 1/2 L
25-748	6 U	5-18-956	6 1/2 L	5-18-1250	6 L
3-750	6 U	25-956	6 U	5-18-1250	6 L
5-40-755	7 L	5-40-1000	6 L	5-18-1250	6 L
17-755	6 1/2 U	24-1000	6 U	5-18-1250	6 L
2-800	6 U	2-1000	6 U	5-18-1250	6 L
24-814	6 U	34-1003	6 U	5-24-1250	6 L
5-18-822	6 1/2 U	5-18-1003	6 U	5-18-1250	6 L
20-822	6 1/2 U	17-1004	6 U	5-18-1250	6 L
5-40-825	6 L	25-1005	6 U	5-24-1250	6 L
24-825	6 U	29-1005	6 U	5-18-1250	6 L

Total 104

Wed Sept 13 1933. Calm Cool Foggy
spillway

Shovel #6 El. 740 Sta 4+25 80' 50" No Toe

Shovel #7 El 740 Sta 4+25 200' 50" No Toe
11:30 AM Moved to rear of DAM
building road - 1 PM Out for duffins Back 1:30 PM
#8 El. 740 Sta 4+25 80' 50" No Toe
11:30 El. 760 Sta 3+50. Of Toe casting to #6

#9 El. 740 Sta 5+50 60' 50" No Toe

#12 El. 740 Sta 3+50 80' 50" No Toe

Waste to upper Emb, to road to lower Emb
and west Dump

17.
Trucks - 18-25³ - 23 - 39 - 12 - 24 - 15 - 17 - 8 - 7

2 - 20 - 1 - 25⁶ - 50 - 26 - 12 - 10

1 - Comp - 2 7H - 1 Nip - 0 - 2 - Carp. Spigot
2 Comp - 4 7H - 2 mp - 2 help - 2 load - Fore spill
1 - Comp - 2 7H - 51a. 600 El. 770
1 - Comp - 1 7H - 80 con dam. El. 670 out to spill

Note 2-7H & Nipper to road PM

Comp 1-7H to Tower near

Quarry - 118 Foreman on
4. spill

3 Dumpmen

6:30 AM
#1 - 16¹²/₁₆ #3 - 15¹²/₁₆
#2 - 15¹²/₁₆ #6 - 14¹²/₁₆
#3 - 15¹²/₁₆ #7 - 7¹²/₁₆
#4 - 15¹²/₁₆ #8 - 30¹²/₁₆

9 cranes between

46 face - numerous smaller on area

Note 2 PM - Upper Emb. 75
ready for rock fill.

5% of Good rock to Dump
Upper Emb Lower Emb

12-25 - 622 - 6 1/2

39 - 625 - 3

18 - 630 - 6

21 - 632 - 6

28 - 644 - 6

39 - 645 - 5

20 - 655 - 5 1/2

18 - 705 - 6

24 - 727 - 6 1/2

26 - 740 - 6 1/2

15 - 755 - 6 1/2

15 - 808 - 5

26 - 816 - 7

17 - 823 - 6 1/2

26 - 830 - 7

20 - 835 - 7

18 - 840 - 6 1/2

10 - 850 - 6 1/2

20 - 855 - 6 1/2

12 - 902 - 6

10 - 909 - 6 1/2

18 - 918 - 6 1/2

40 - 930 - 5 1/2

20 - 934 - 6 1/2

19 - 945 - 5 1/2

26 - 1004 - 5 1/2

40 - 1023 - 5

20 - 1031 - 6

17 - 1127 - 6

19 - 1140 - 5 1/2

20 - 1150 - 6 1/2

17 - 1153 - 5

20 - 1209 - 6 1/2

17 - 1210 - 5 1/2

18 - 1212 - 7

20 - 1217 - 6

20 - 1225 - 5 1/2

17 - 1225 - 7

18 - 1223 - 6

3 - 1247 - 3

18 - 1251 - 6

3 - 1253 - 5 1/2

26 - 126 - 7

18 - 123 - 6

26 - 130 - 6

18 - 130 - 5

17 - 142 - 5

17 - 152 - 5

26 - 206 - 5 1/2

17 - 210 - 5 1/2

18 - 212 - 6

Marked 8 Nodules SE 1/4 For shooting
SW 1/4

10

261

15th Sept 14-33-6 am Furry Dump
Spillway Cold

#7-5 El. 740 Sta 3150 - 50' S. No 704

#7-5 El. 680 NW Cor Dam

#8-5 El. 770 Sta 6150 - 50' S. of So line 06
9 AM El. 740 Sta 4100 50' S. of No 704

11:30 AM El. 740 Sta 6180 - 100' S. of No 704
#9-5 El. 725 Sta 5140 - 40' S. of No 704

#10 DL El. 740 Sta 6225 Excav from 06 and
handling timbers

#12-5 El. 725 Sta 2100 - 50' S. No 704

11:30 El. 725 Sta. 2100

9:00-9:30 AM

Trucks - 1-2-3 7-8-9-17-18-9 Rax - 23-24

15-25-26-39-40

1 Bulldozer
2 Cats

16-PM.

Quarry #1 - 1 Foreman - 2 Camps - 2 horses El. 715
No. Quarrying on North Slope Today

1 Camp - 25H To road NW of dam 8 AM
5 Camp 9-24 10 AM

1 Camp - 1 O.G. Trench - 2 25H - 1 Hippo

2 Camp El. 740

1 Camp El. 770

5 25H 2 Hippo - 740 Lev

2 Helpers 1 Comp man

2 loaders - 1 Dump man start 1 PM 5:00 PM

1 Foreman

a well defined crack about 60 ft 2+75 of set 110

#1-17th #4-15th #7-7th
#2-15th #5-15th #8-30th
#3-15th #6-14th

470 Goodwin lowaste - 9th 10th
runners are sorting carefully
1890 - 11th 1 PM. Road from #9 to west dump

upper Erris

2-625 - 3

25-650 - 6

17-657 - 5

24-677 - 5

25-705 - 6

17-714 - 6

25-725 - 6

17-723 - 5

25-733 - 6

18-733 - 5

17-745 - 5 1/2

25-753 - 6 1/2

18-757 - 5

24-805 - 6

17-810 - 5 1/2

25-814 - 5 1/2

17-812 - 5 1/2

25-825 - 6 1/2

18-835 - 5 1/2

17-845 - 6

25-847 - 6

18-854 - 5 1/2

17-855 - 5 1/2

25-903 - 6

18-914 - 6 1/2

17-912 - 5

40-112 - 6 1/2

24-112 - 5 1/2

43-115 - 6 1/2

25-115 - 5

25-115 - 6

1-124 - 5 1/2

39-125 - 5 1/2

26-125 - 6 1/2

8-125 - 6

39-125 - 4 (200)

25-125 - 3 1/2

11-125 - 6

1-125 - 6

3-125 - 5 1/2

25-125 - 6

26-125 - 5 1/2

18-125 - 7 1/2

10-125 - 5

25-115 - 6

10-120 - 6 1/2

17-121 - 6 1/2

18-125 - 6

11-22 - 6 1/2

25-225

10-211 - 6 1/2

17-225 - 6

39-255 - 5 1/2

18-303 - 7 1/2

(58)

15 Trucks marked J E 14

285
25
310
2170

17 Fri. Sept 15. 1933 C. M. Cook
Spillway 6 am

5#6 - El. 740 - Sta 3+75 25' 30" No Toe
1130 El. 740 - Sta 2+50 25' 30" No Toe

5#7 El. 740 Sta 5+00 25' 30" No Toe
El. 720 Sta 5+50 80' 50" No Toe

5#8 El. 720 Sta 5+25 80' 50" No Toe
Out of 1039 repairs

5#9 1130 El. 720 Sta 5+60 90' - 50" No Toe
El. 720 Sta 5+20 80' 50" No Toe

5#12 El. 725 Sta 2+75 100' 50" No Toe
El. 725 Sta 2+50 70' 50" No Toe

5#10 El. 740 - Sta 1+00 06. Tim Dur. Excav. 9 am
1139 Samp

TRUCKS 17-18-26-3-2-40-25-50-24-23

34-7-8-12-21

Gravel 06. 14 men 1 Foreman 2 men shoring

2 Comp 06. 2 JH. & 1 Hammer. 2 wheelbarrow grout
4 spill. 3 JH. 2 loader. 2 Helpers. 2 trappers
81 - Powder Foreman - 1 - Comp Tender
1 - Cat
1 - Bulldozer 1 - Power Grader on roads
2 - Dumpers
1 - Cat & scraper 8123
1 - Checker

Waste - West of road So. side of
Road to upper emb. El. 650 blocked by
dumping operations So. side of

points on earth claim
#1 - 17-7-16

#2 - 16 - Murelows small cracks on road this

#3 - 15-7-16

#4 - 15-7-16

#5 - 15-7-16

#6 - 14-15-16

#7 - 7-7-15

#8 - 30-34

Rock 1130 123 154
15-215 1130
upper Emb Lower Emb

Shot	Tx No	Time	yds	Shot	Tx No	Time	yds
	24	6:21	6	18	70	6	6
			4 1/2	37	82	5 1/2	5 1/2
				17	82	6	6
				24	910	4 1/2	4 1/2
				18	925	5	5
				37	935	4	4
				40	945	6	6
				17	1202	3	3
				17	1225	5 1/2	5 1/2
				25	1225	4 1/2	4 1/2
				17	102	6	6

56
39 1/2

1130 Note On the 740 level to El. 760 from Sta 1+80 to Sta 5+80. On 725 level Sta 2+50, 70' 50" No Toe
There is not to exceed 10' of good rock. All D. S. On 725 level Sta 2+50, 70' 50" No Toe
To 740 level there is a rest of boulders, 200 ft. face. In cut 720 level to 740.
Level Sta 5+00 to Sta 6+00. Cut 40' wide & 80' 50" No Toe. Face over at
about 800 ft. There is a face of 200 ft. Sound rock - Balance D. S.
Marked 3 Noods in 5 E 1/4 of cam for 5 bedding

19 Sat Sept 16 33 6 AM. Clm Cold-Hot 8⁰⁰
 spillway ✓

5#6 El. 720 Sta 3175 70' 50 No. Toe

5#9 El. 720 Sta 5+00 80' 50 No. Top

DL#10 El. 740 Sta 0+75 50 Side OG Excav from 20' trench handling timbers

#7 Building Contractors Road in Fill South Side OG

8612 Down repairs east of spillway

Trucks 1-2-3-7-8-14-40-50

1 Tank Truck for Gravel

1-Comp - 1 SH cutter - 1 rubber - gravel hole OG
 1-Comp - 2-JH - 2 nippers - OG
 4-Comp - 7-JH - 2 loaders - 2 nippers - 2 shippers
 2-Cats
 2 powder Foreman } PM. Comp & JH
 1-Bull dozer } OG same
 1-Cat scraper } Spill 2 Comp 4 JH
 1-Comp Tender } 2 nippers - 1 shippers
 2-Dump trucks } 2 loaders - 2 Foreman
 1-checker
 1 Gen Foreman

Quarry - 13-1 Foreman - OG -

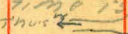
Measurements on Earth Movement

#	Measurement	Change	Notes
#1	17 3/8"	+ 3/16"	3-11 5/16" 3 feet 2 3/4"
#2	16 3/16"	+ 3/16"	4-11 15/16" - 3' 50" Sta #4
#3	15 1/8"	0	2' 6" - 0" 100' NE Sta #4
#4	15 3/4"	+ 5/16"	3-11 5/16" cross of hill west
#5	15 1/4"	0	5 - 4 1/2" E
#6	14 15/16"	0	6-A-5 1/2"
#7	7 - 7/8"	0	6 - 6 - 2"
#8	30 - 3/4"	0	

Nov 12 Noon

Rock

Down Sta (17) Emb
 Spout Tr # Time yds

Down Sta (17)	Emb	Spout	Tr #	Time	yds	Remarks
2	60	17	60	3	3	Dump west 650 side OG
17	60	17	60	3	3	Road to upper Emb. Blocked
17	620	17	620	4	4	
17	620	17	620	4	4	
17	70	17	70	5 1/2	5 1/2	On 720' level, working from west, on exposed face of 535x20'. These shows about 200' of strud. sound rock in form of nodules 920 AM
8	70	17	718	5	5	
17	718	8	735	5 1/2	5 1/2	
17	748	17	748	7	7	
17	905	17	905	4	4	
17	1000	17	1000	4	4	
17	1125	17	1125	5	5	The east end of this cut at this time is about Sta 4+40 shaped thus 
17	1140	17	1140	5 1/2	5 1/2	
2	1142	17	1142	5	5	
1	110	17	110	4 1/2	4 1/2	hauling at about Sta 2+25 El. 720 No. Toe. 90 SW 50' Hence west 100'
17	1124	3	1124	7	7	Hence SW 100' to intersection with south OG line - at depth of cut 20', there is exposed on this face about 200' of exposed boulders 950 AM
3	1138	17	120	6	6	
2	120	17	120	5	5	
17	120	17	120	5	5	
17	120	17	120	5	5	
17	120	17	120	5	5	
17	130	17	130	6 1/2	6 1/2	
17	130	17	130	4	4	

converse asked for

(24)

recor Quarryman

OG separate Spill

21 Monday - Sept 18-33 6am clear - cold with

Spillway

J & B El. 740 Sta 4200 - clearing at east toe
10:25 am El. 720 Sta 4220 - 25' S. No Top } Down 12:30
1:35 am El. 720 " " 3700 No Line 06


DL # 16 El. 745 Sta 4100 - From 06

3 # 12 El. 720 Sta. 5135 - 40:50 No Top
8 am El. 745 Sta 5100 9 06

Trucks - 1 - 2:30 - 10 - 2:55 + 9 @ + 24 + 10 4 hrs
4 Trucks after 12:30

3 - Camp 4 - J.H. 2 Ripper - 2 loaders - 1 helper
1 - Cat - PM 4TH Rip 1 loader
pm - 2 men slope 19 50. Spill wall

1 - Cat scraper 1/2 time

9 9 quarries Key Trench 
1 - Camp - 2 JH

1 checker

1 Dump man Dump East - SE of SEC 06

Rock

Time	No	Yds
7:55	2	5
8:12	1	6
8:35	2	5 1/2
8:55	2	5 1/2
9:30	2	4
9:45	2	6 1/2
10:25	2	5 1/2
11:32	2	4 1/2
12:05	2	6
12:25	2	4 1/2
12:35	24	4 1/2
12:35	24	6 1/2
1:10	2	3 1/2
1:15	2	5
1:25	2	3 1/2
1:50	2	4
2:02	2	4
2:18	1	4 1/2
2:22	22	4 1/2
2:27	2	3 1/2
2:30	24	5 1/2

99
71
99
693
7029

Small slide 10:20 am No about at
About sta 4230 - 20 cu yd. 5 ft loose
20% of rock to waste 12 pm
50% " " " " 1:45 pm
50% " " " " 2:30



23 Tue. Sept. 19-1933 6⁰⁰ Cold Clear

Spill

5#7 El. 720 Sta 2150 60'so No Top

5#6-8⁰⁰ El. 720 Sta. 4100 100'so No Top
Quit 10 am

DL#10 OG.

740 Chaining Rock Spill El. 720 Sta 2150
850 DL Bucket - cleaning west end OG
920 out to Rock unhooked Truck - Back 11 20 am

Trucks 1-2-3-29-40-8-12-19-23-25-50-16
Add 5 Trucks 8 am

1. Bull dozer

1. Dump man - 1 checked
South Slope spill 790

2. Comp - 3 JH - 2 Nipper - Hoader - 1 help w

1. Cat
1. Foreman Foreman
1. Foreman
12:00 pm outside dam area

8 am

1. Comp - 2 JH upper Emb - Hoader

OG - 9. Quarryman El. 717 - 725

1. Comp 2 JH B.Picks

Dump E. to ss side OG AM
West PM.

Rock
Level Emb

Stn	Tr	Time	Yds
3	3	705	5
2	2	712	5 1/4
39	39	712	5 1/4
1	1	720	5
2	2	720	5
3	3	740	2 1/2
40	40	745	5
39	39	755	5 1/2
2	2	755	5 1/2
1	1	810	5
3	3	810	5 1/4
40	40	817	5 1/2
2	2	820	5
1	1	810	5
7	3	820	5
7	40	840	5 1/4
6	2	845	5 1/4
6	25	90	8
7	1	900	4 1/4
6	3	905	5 1/2
6	37	915	4 1/4
7	40	915	6
6	3	950	5 1/2
6	27	945	5
6	2	950	5 1/2
6	1	955	5 1/2
6	39	1005	6 1/2
6	2	1145	4
6	1	1205	5
6	3	1225	5
6	2	1235	5
6	40	1240	6
6	3	1245	4 1/2
10	40	105	5 1/2
6	1	102	5
6	2	123	5
6	3	133	6
6	1	137	5
11	39	205	4 1/2
10	40	220	5 1/2
10	39	223	3 1/2

207

2220 290730

142
65
707
71
207
1449
14699
147

31 Sat Sept 23-33 5⁴⁵ AM Clear Cold

Spill
5#6 El. 725 Sta 4100 50 Lino 0 4 - To No. 100 - 225 230
60-250

5#7 El. 745 Sta 6100 50 Side 8000 3000 8000
OR 8000

2-2-31
Tid 2 Shovels 28
10L 0.475

DL# 10 El. 745 Sta 6100 50 Side 8000 3000 8000
7 AM out 12:45
1 TV

Trucks 6 AM 8 AM 11:30 2 AM 5 AM
6 7 7 6 6 60 8 hrs
10-1 10-1 10-1 10-1 10-1 10-1
10-1 10-1 10-1 10-1 10-1 10-1

Total/Time
31 out 145 1910:55
60 out 125

Trucks 1-25 31-50 60-29

50 Side - 2-Camp 1-JH 1-hipper 1-loader 1-cat

10 Side 1-Camp 1-JH 1-hipper 1-loader 1-cat

3-Camp - 6-JH - 5-hippers - 2-loaders
1-cat

6-Camp 1-Camp 2-JH 2-JH 3hrs 1-loader 2-5 cut-off
1-comp 1-JH - 1-loader 2-5 cut-off

cut-off - comp - 2-JH - 1-loader 5 hrs
2-Quarry cut-off 5-quarry cut-off

1-Cat 2-4000 - 1-Cat

- 1-Powder Foreman
- 1-Gen Foreman
- 1-Chucker
- 1-Dumperman

Dump west & East

Rack

201.1000 1000

Upper Emb				Lower Emb				Lower Emb				
Time	Yds	Shovel	Time	Time	Yds	Shovel	Time	Time	Yds	Shovel	Time	Yds
7 3	635	5	7 1	220	4 1/2	7 1	656	4				
8 31	1206	6	7 2	232	6 1/2	7 2	696	4				
			7 3	227	4	7 2	618	5				
			7 3	252	4	7 1	623	5				
			7 3	252	4	7 2	621	5				
			7 3	252	4	7 3	649	4 1/2				
			7 2	705	4	7 2	705	4				
			7 3	711	5 1/2	7 3	711	5 1/2				
			7 31	711	5 1/2	7 31	711	5 1/2				
			7 2	721	5 1/2	7 2	721	5 1/2				
			7 3	740	5 1/2	7 3	740	5 1/2				
			7 31	742	5	7 31	742	5				
			7 2	748	5 1/2	7 2	748	5 1/2				
			7 3	753	5 1/2	7 3	753	5 1/2				
			7 31	758	5 1/2	7 31	758	5 1/2				
			6 50	800	4	6 50	800	4				
			7 2	802	1 1/2	7 2	802	1 1/2				
			7 2	845	5	7 2	845	5				
			7 2	913	5	7 2	913	5				
			7 1	918	6	7 1	918	6				
			7 3	923	5	7 3	923	5				
			7 2	936	5	7 2	936	5				
			7 1	936	5 1/2	7 1	936	5 1/2				
			7 3	942	5 1/2	7 3	942	5 1/2				
			7 2	944	6	7 2	944	6				
			7 1	952	5	7 1	952	5				
			7 3	953	4 1/2	7 3	953	4 1/2				
			7 1	1005	6	7 1	1005	6				
			7 2	1000	4 1/2	7 2	1000	4 1/2				
			7 1	1012	6	7 1	1012	6				
			7 3	1022	5 (158)	7 3	1022	5 (158)				
			7 2	1030	6	7 2	1030	6				
			7 1	1140	6	7 1	1140	6				
			7 3	1144	6 1/2	7 3	1144	6 1/2				
			7 2	1140	6 1/2	7 2	1140	6 1/2				
			7 3	1200	5	7 3	1200	5				
			7 1	1222	4 1/2	7 1	1222	4 1/2				
			7 1	1240	5	7 1	1240	5				
			7 2	1244	6 1/2	7 2	1244	6 1/2				
			7 1	1253	6	7 1	1253	6				
			7 3	105	5	7 3	105	5				
			7 1	111	4	7 1	111	4				
			7 3	112	4 1/2	7 3	112	4 1/2				
			7 2	124	4 1/2	7 2	124	4 1/2				
			7 1	135	5	7 1	135	5				
			7 3	132	4 (158)	7 3	132	4 (158)				
			7 2	145	6	7 2	145	6				
			7 2	222	5	7 2	222	5				
			7 1	205	5	7 1	205	5				
			7 3	210	6	7 3	210	6				
			7 2	217	4	7 2	217	4				
			911 158	249		911 158	249					

200419 X 21 = 190

Est. 15 Yds Suckled

Est. 15 Yds Suckled

33 Monday Sept 25

6am cloudy - warm
9am clear - cool - windy

Rack

Carried 2000 rock to dump
Wt. 540

Spill

5# 6 E1745 Sta 3425 51'50 No Top
#80 E1745 Sta 4125 51'50 No Top

Trucks 11-60

#7 E1745 Sta 5400 2530' 50' of time
1130 " " " 5450

3-T 21-60

DZ #10 E1725 Sta 3400 - 06 Cut off - 4 1/2 hrs
1130 - T. East end. 8.6
215 To west Comp RTH

1-T 2

Trucks 7:30 245. 100 130 1230 130 200 628 #317/11/12
6 8 2 6 7 7 6 101

30 side spill

TH Nip powder slip Rickers 411/11

3- Comp cut

5 3 1 2
6 3 1 2

1 powder pavemar

70 side

End of 1-Comp 724/11

1230 1

2 15 1 only

41 Comp 215

west end cut of Comp 724/11

1 930 930 2-6 930

Build up of 1130 to 1230

1- Comp Pavemar 41

1- Deck

1- Dump pan

Dump East

Upper Emb

Start	Track	Time	Yds
7	31	648	5
7	31	703	5 1/2
7	31	717	6
7	31	728	5 1/2
7	31	736	5 1/2
7	15	750	5
7	31	757	5 1/2
7	31	810	4 1/4
7	31	825	5
7	31	9	6
7	31	907	4 1/2
7	31	1020	6 1/2
7	31	1033	6
7	11	1030	7 1/2
7	1	1140	5
7	31	1148	5
7	1	1201	4
7	2	1220	6
7	1	1230	5
7	1	1244	4 1/2
7	1	1252	4 1/2
7	31	125	5
7	1	123	5 1/2
7	3	203	5 1/2
7	31	215	6 1/2
7	1	250	6 1/2
7	31	258	5 1/2

12 yds from surface

(27)

148.5
71
145.5
10185

103301

Note - Small slips. No bank 5400 to 5425 - 30 yds

35 Tue Sept 26-33 6:40 am. Foggy & cool
9:00 clear warm

Spill
5#6 El. 745 Sta 5+50 No. Slope Top

37-2-231
587 6 am El. 745 Sta 6+60 Sta 5+00 30 Slope Top Repair 7/24/33
11:30 AM
1.00
37-1-40 505+50 1106 0.8

DL #10 El. 745 Sta 0+50 Sta 5+00 1/2 Time to Cutoff
1T #33
3/4 down 2 PM

1-2-3-31-33 40 25
Trucks 1+23-37-39-40. 7 am 9 am 10 am 12 am 1:30 2
6 5 6 6 6 5

3-Comp. El. 745 - 4+50
To 6+00. 50. Side Spill
1-Cat
1-Comp. El. 745 0+1/2
To Cutoff 1/2 To Spill
No. Slope
To 50 Slope 12 25 2

Cutoff - east
2 dots west
add 10 comp 130
grand total PM

1. CD PROX
1. P. P. P. Foreman
1. G. P. P. Foreman
1. E. P. P. Foreman
Bulldozer in 4:20 am Oct 13/33

Rock

TRUCK	TRUCK	TIME	YDS
7	31	5:53	6
7	33	6:01	6
7	1	6:09	6
7	31	6:38	6
7	40	6:57	5
7	2	8:12	5
10	33	8:20	5 1/2
7	2	8:23	6
7	1	8:27	6
7	2	8:47	6
7	25	9	7
7	2	9:28	4 1/2
7	33	9:31	4 1/2
7	1	9:38	5
7	2	10:02	5 1/2
7	1	10:03	5
7	3	10:30	6 1/2
7	1	11:33	6
7	2	11:32	6 1/2
7	33	11:43	4 1/2
7	1	11:46	4
7	2	11:53	6
7	33	12:22	4
7	1	12:12	6
7	33	12:30	4 1/2
7	1	12:30	5 1/2
7	1	12:45	6
7	33	12:50	5 1/2
7	1	1:10	6 1/2
7	33	1:14	5 1/2
7	33	1:23	5 1/2
7	1	1:44	4 1/2
7	2	1:50	6 1/2
7	2	2:01	5 1/2
7	2	2:01	5 1/2
7	1	2:07	5 1/2
7	33	2:14	5 1/2
7	2	2:25	6
7	1	2:31	6 1/2
7	2	2:53	4 1/2
7	33	2:55	6

219 yds
71
219
103.3
155.49
156 yds solid

Surface 37
71
37
249
252.7 surface

(40)

Note #10 DL using SKP in 06 changed 1/2 to Cutoff & 1/2 to 0.6 excavation

43 Sat Sept 30 - 1933 6:00 am cloudy - m. a. m.
Windy PM

10% Good rock: 0.000

11:20 E1730 - 31a 4125 60.50 No Top
11:20 E1730 - 31a 6150 50 side

11:30 E1730 31a 6125 L Spillway
11:30 E1730 31a 1175 No Top

11:30 E1720 31a 4100 Cut off - Start in 05 SEC All 10m
11:30

1-10m 10m 6m m removed. 10m 30m

1- Cat. Build down 11:30 int 12:30

1-10m	6 600 7am	12m 100m	12.5 2pm
	6 8	9 9	9 9

Location 2800 ft line
2800 ft line
2800 ft line
2800 ft line

Compressors	2 3 3 3	0 0 0 0	1 1 1 1 1 1
Jackhammers	6 6 6 6	1 0 0 0	1 1 1 1 1 1
Shovels	2 2 2 2	1 0 0 0	1 0 0 0
Loaders	2 2 2 2	1 1 1 2	1 0 1 1 1 1
Helpers	1 1 1 1	1 0 0 0	0 0 0 0 0 0
Quarry	3 3 3 3	1 3 4 0	3 0 6 6 6 1 5

Timockd
1- Powder
1- Comp
1- 2800 ft line
1- Gen Foreman 4125

Rock

SHAVE	TRUCK	TIME	YD
6	2	12:05	5 1/2
6	2	12:23	6 1/2
6	7	12:25	6
7	8	1:45	6
7	2	1:48	6
7	33	1:51	4 1/2
6	3	1:56	6 1/2
7	3	1:56	5 1/2
7	2	1:58	5 1/2
7	1	2:01	5 1/2
6	2	2:03	6 1/2
7	33	2:05	5 1/2
7	1	2:15	5 1/2
7	2	2:20	6
6	8	2:27	7 1/2
6	7	2:30	6 1/2
7	33	2:41	5
6	8	2:42	5
7	9	2:49	6

115
115
305
82-115

Note, 11:50 AM
Told by Mr. Wood
and Mr. Litchell
Johnnie Connolly
to remove 11:50
in 05 SECTION
11:50 AM
and
11:50 AM
11:50 AM

969 loads the
month

Wed Oct 4 1923
A9 7am - 4PM

Clear warm windy

8:30 am 50% 500 drops - 1 check
1:30 pm 50%

Spillway El. 720 Sta 410 No Top
12:00 am 3475 5050 No Top

387 El. 720 Sta 3700 No Limit 06
1:00 El. 720 Sta 6450 & spillway

EL #10 El. 720 Sta 3750 200
7:30 to 8:00

TRUCK 7am 9am 10am 11am 12:30 3 5:25
8 8 7 8 8 8

Bulldozer 7-9:25 am

cat & scraper into 06 9:30 am out 11:00 am Bull am out 2:30 pm
spill 06
drilling

Location									
Compressor	2			11					
Dumper	6			11					
Mixer	2			0					
Loaders	2			11					
Hammers	1								
Quarry	3			52					
Total	14			1					
Tunnel									

- 1 Powder Foreman
 - 1 Dumpman - West
 - 1 Checker
 - 1 Coy Foreman by
- Dump - East - West

Upper Emb

Start Time	Time	Side
7 3	703	5
7 33	723	6
6 2	723	5 1/2
6 23	733	6
6 0	1112	6
6 2	1123	5 1/2
6 33	1126	5
6 3	1130	2 1/2
6 33	12 38	6
7 37	1244	6
6 2	1252	6
6 17	130	4
7 3	121	5
6 17	132	5
7 2	133	5 1/2
6 12	138	5
7 33	157	5 1/2
6 17	158	5 1/2
6 2	160	5 1/2
6 2	215	6 1/2
7 33	217	6 1/2
6 17	226	5
6 2	323	2 1/2

Checked rock
loads with
check 1825
am 05
CRD. 1115 0 4
CRD 1230 am
CRD 1400
CRD 2 PM 04
CRD 3 PM 04

Note 3:15 pm. talked to the
pusher in 06 excavation. He
says mitemor will remove
form bracing and tomorrow
he will clean floor 5.
Foundation condition can
be inspected. Forms for
06 section 13 are to be
set tomorrow. Reported.

23 loads

3 load Tunnel not included

31 Thu Oct 6-1933
7 AM - 4 PM

630 C/1000 4500
Elev 20 920 20
PM Windy.

Spillway
5#6 El. 730 Sta 810 50' 30" No 700
12:30 PM

5#7 El. 720 Sta 810 No Line 08
12:30 PM

OL #10 12:30 To dam cutoff El 700 stripping N.E. side

Trucks $\frac{730}{7}$ $\frac{2900}{7}$ $\frac{10}{8}$ $\frac{4}{7}$ $\frac{12}{7}$ $\frac{22}{8}$ $\frac{20}{8}$ $\frac{3}{7}$

Build 400 ft in 12 out 2 PM

Catscraper in 08 + Drive 7:30-11:30

Spillway
08

Location

Compensator 33

Drillers 88

Mopps 22

Loaders 11

Helpers 11

Quarry 33

Timecard

- 1 - Conde Foreman
- 1 - Gen Foreman's
- 1 - checker
- 1 - Supervisor

Dump East-West

20% for waste

Rock

Upper Emb

Shovel	Time	Time	Yds
6 RC-2	700	5 1/2	
6	17	702	5 1/2
7	3	703	4
7	2	704	5
6 RC-2	713	6	
6	7	724	5
7	3	747	4 1/2
10	1	124	5 (5)
10	1	202	5 (5)

9/loads

36
21
36
22
250

2 1/2 spill
8 yds strip

CR Leads
730 AM 0/L
CR 800 OK

Note: 820 am started
dumping rock to spillway
510 & 450. 4 loads 8th
from 08 section

840 35 min
1 load from 08
20 PM. 28 loads of
rock fr. spillway
3000 31 to stock pile
340 35/loads
3rd 34 loads

Reported Foundation
08 5065 12 613

Fri. Oct. 6-1933

6:30 am - 12:00 - starts
PM Windy

53 7 am - 4 PM

546 El 730 Sta 5130 No Top Down
1338 down
Starts 2 PM El 730 Sta 6100 So side

547 8 am El 730 Sta 6175 No Top
12:30 " " Sta 5100 No Top

548 12:30 El 730 Sta 5100 So side
CG section Sta 4150

OLM 10 El 700 Out cover oil No End No Excavation
845 out 10 stock pipes

Trucks 7:30 8:30 9:30 10:30 11:30 12:30 1:30 2:30 3:30 4:30
9 7 7 7 7 7 8 8

Spill
airline

Location

Compressors

Drillers 7

Wagon 2

Leaders 1

Shovel 1

Quarry 5

1 Compressor
1 Powder Foreman
1 Foreman

Build 8201 in 7:30 out 8:00 -
1 cat

Dump - vest - Post of tunnel portal

am 40% to north 50% 34%
pm 20% to north 30%

Rack

Appel Emb

Shovel	Team	Time	Yds
8	2	7:15	6
7	7	7:15	4
7	11	8:25	5

3100 ft

15
71
15
105
1060

1145

9:30 am Mr Wood said center
and one should decide on the
foundation in the 12:15 as he
was too busy to get it. He was
usually with 8 which had to come
out. Told them we would inspect
it at noon. Told center of the
11:00. Mr Wood told me 100
State Inspector's requirements
were about the same as 82
had decided were needed.

3:45 pm Talked with cane
foreman about above excave
He said he had told Stoves
I have been unable
to contact either Stoves
occasionally since
noon hour

3:30 PM 27100 ft to
Stock Pile

Sat Oct 7 - 1933
55 7 AM - 4 PM

Clear Pleasant

SPILL
58.6 El. 730 Sta 5420 51 Side
12:30 PM " " 6120 " "

58.7 El. 730 Sta 5475 No Top. 2 Trucks out 0.5
9:45 to stripping cone, incl. grade El. 745
3:00 to El. 730 Sta 5490 No Top

58.8 El. 720 Sta 5425 No 400 0.5
12:30 " " 2180 " "

DL #10 El. 720 Sta 3x50 0.6 in 10' am out 1.2
34 hours

TRUCKS
7 AM 8 9 10 11 12 1 2 3
9 8 8 8 8 8 8 8

Spillway
6

Location 06

Compression 89

Drives 97

Nippers 77

Loaders 11

Helices 11

Quarry 77

Cart 1

Time Sgd

1 Powder 50 min

1 Compression

1 Choked

Dump west & East

AM 20% good rock to dump
PM 20% good rock to dump

Spillway
Rock to Stock Pile
Sta 6150 & Spillway

Leads of surface work from
stripping to stock pile

Time	Track	Time	Yds
7:33		9:29	41 1/2
7:34		9:44	2
7:33		10:00	5 1/2
7:31		10:15	3
7:34		10:20	5 1/2
7:33		2:29	3 1/2
7:34		2:42	3 1/2
7:33		2:52	4 1/2

275

71

295

2065

2074

2145

8 loads

Form stripping

Spillway

7:33 10:46 6:45

7:34 1:20 6:05

18

11

13

91

9

2 loads

59 Tue Oct 10-33.

7am - 4pm

6:40 am cloudy - cool

Spillway	Elev	Sta	Notes
#6	EL 720	Sta 4125	No time O.G.
12:30 pm		5100	2.06
#7	EL 720	Sta 3425	2 Spillway
12:30 pm		4125	
#8	EL 720	Sta 6100	So. side
12:30 pm		4125	No top
2:30 pm		510	No top
DL #10	EL 720	Sta 3700	So. side O.G.
12:30 pm		4100	
DL #11	EL 745	Sta 3725	working from 4

10 handle forms

Trucks	Spill	Spill
7 8.9	10 11	2 2
10 10.10	11 11	10 11

Location	Count	Notes
Companions	3/4	
Trucks	6/6	
Wipers	1/1	
Leaders	1/1	
Helpers	1/1	
Gravity	9/9	
cat	1	

- 1- Powder Forman
- 1- Checker
- 1- Gen Foreman
- 1- Dumpman 9:30 1:30

Waste first and upstream Emb
 9:20 O.G. to West auto
 26 to Price Emb 12:30

15% about to waste all

Red

Upper Emb				Upper Emb			
Shovel	Time	Yds	Shovel	Time	Yds	Shovel	Time
7	3	7:05	5	6	12:23	5	
7	1	7:13	5 1/2	8	12:33	5	
8	20	7:25	6 1/2	8	12:43	4 1/2	
6	2	7:32	6	7	12:49	5	
8	33	7:20	5 1/2	8	12:49	5	
7	9	7:28	6	6	12:50	6	
7	1	7:32	6	6	12:53	5	
8	33	7:31	5 1/2	6	12:56	5	
7	3	7:35	6	6	1	1:05	5
7	1	7:45	6	6	1:08	6 1/2	
8	31	7:49	6	6	1:08	6 1/2	
7	3	7:53	6	6	1:13	4 1/2	
8	33	7:53	5 1/2	6	1:23	7	
8	31	7:52	5 1/2	6	1:23	6 1/2	
7	1	7:53	6	6	1:35	6	
8	12	8:25	5 1/2	6	1:42	6 1/2	
10	1	8:23	6	6	1:47	6	
8	31	8:21	5 1/2	8	1:48	5	
7	3	8:24	5	6	2:55	5 1/2	
8	33	8:22	5 1/2	6	3:12	5 1/2	
6	2	8:41	6	6	3:27	4 1/2	
8	12	8:45	6	6	3:23	5	
7	3	8:50	5				
8	31	8:53	5 1/2				
8	33	8:53	5 1/2				
8	12	9:05	5				
7	1	9:11	5 1/2				
8	33	9:22	4 1/2				
8	12	9:22	6 1/2				
8	31	9:27	5 1/2				
7	3	9:31	6 1/2				
7	23	9:31	6 1/2				
8	31	9:32	5 1/2				
8	33	9:35	5				
8	31	10:02	6				
8	33	10:11	5 1/2				
8	31	10:21	4 1/2				
8	33	10:23	6				
7	31	10:25	4 1/2				
7	31	10:30	6				
7	20	10:30	6 1/2				
8	33	10:35	5				
8	33	11:0	4 1/2				
8	3	11:3	5 1/2				
7	2	11:5	4				
8	31	11:9	6				
8	20	11:2	5				
6	3	11:30	6				
8	30	11:33	5				
7	3	11:33	5				

Notes

9:25 sent note to Mr Wood, by converse.
 Had O.G. Foundation would be ready for inspection at noon
 9:45 am I saw Mr Wood about the foundation mentioned above He advised me to go outdoors to see pass on it as he and Mr Wood were going in to town
 1 am 35 minutes in upper emb 3 moved for about 1/2 V.
 7:42 am. man injured in accident upper emb
 1:42 am. Conc. Forman says will not pour west section until West emb Foundation can be inspected and morning.

73 loads

381
 16
 397
 397
 397
 277 9
 1761 8.7
 482 yds

4 1/2

61 Wed Oct 11 1933

6:40 am cloudy 20° at

10% good rock to Dump

7:00 AM - 4 PM

Spillway
546

E1720 Sta 3+60 206

Upper Embank

Rock

Lower Embank

Lower Embank

Notes

John Todd Carter

about Printer in
Core with Ho
with carrying him
in his report

12:45 PM Small ✓

slide ca 2+00

25' from top

5 yds loose

2 PM. Went to

office to see Mr

Wood about

foundation rock

in of projecting

above 15' pour

He said OK so

I'd get permit

proceed

5#7 E1720 Sta 3+50 2 spill

Spill Time Time yds

Spill Time Time yds

Spill Time Time yds

Spill Time Time yds

8 33 25.2 4 1/2

8 33 7.25 5 1/2

6 1 10.32 6 1/2

8 20 10.37 6 1/2

8 3 3.03 5

12 20 7.10 6

8 20 10.37 6 1/2

8 31 10.43 5

8 20 3.15 6 1/2

7 3 7.13 6

8 31 10.43 5

8 33 10.49 5

3#8 E1720 Sta 3+25 No Limit 0.5

Spill Time Time yds

Spill Time Time yds

Spill Time Time yds

Spill Time Time yds

8 31 3.22 4 1/2

12 23 7.22 6 1/2

12 20 10.55 6

12 20 10.55 6

8 3 3.26 5 1/2

8 31 7.25 6 1/2

8 33 11.02 5

8 33 11.02 5

8 20 3.30 5

7 2 7.24 6

8 20 10.55 6

8 33 11.02 5

DL#10 E1720 Sta 4+00 No Limit 0.5

Spill Time Time yds

Spill Time Time yds

Spill Time Time yds

Spill Time Time yds

8 33 3.34 3

12 23 7.22 6 1/2

12 20 10.55 6

8 33 11.02 5

8 3 3.26 5 1/2

7 1 7.22 6 1/2

8 33 11.02 5

8 33 11.02 5

8 10 3.52 6 1/2

7 3 7.24 6

12 20 10.55 6

8 33 11.02 5

4#12 E1720 Sta 4+50 2 spill

Spill Time Time yds

Spill Time Time yds

Spill Time Time yds

Spill Time Time yds

8 33 3.52 6 1/2

12 20 7.24 6

12 1 11.02 5 1/2

8 33 11.02 5

8 3 3.52 6 1/2

8 33 7.24 6

8 1 11.02 6

12 20 11.26 5

8 20 3.52 6 1/2

8 31 7.50 4 1/2

12 1 11.26 6

12 1 11.26 6

8 3 3.52 6 1/2

7 3 7.52 4 1/2

8 31 11.26 4 1/2

12 20 11.26 5

8 33 3.52 6 1/2

8 33 8.12 5

6 2 12.32 5 1/2

6 2 12.32 5 1/2

8 3 3.52 6 1/2

6 2 8.12 5

6 1 12.32 5

8 31 12.32 4 1/2

8 33 3.52 6 1/2

8 31 8.12 5 1/2

8 31 12.32 4 1/2

8 20 12.32 4 1/2

8 20 3.52 6 1/2

12 13 8.23 6

8 33 12.32 4 1/2

8 33 22.0 5

8 22 3.52 6 1/2

12 22 8.23 4

6 3 12.32 5 1/2

70 loads

8 3 3.52 6 1/2

1 1 8.21 4

12 7 8.42 4

7.5

8 24 3.52 6 1/2

12 24 8.42 4

12 24 8.42 4

259.0

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

113

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

8.0

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

384.5

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

71

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

384.5

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

2691.5

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

1779.5

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

2737.5

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

2737.5

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

2737.5

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

2737.5

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

2737.5

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

2737.5

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

2737.5

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

2737.5

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

2737.5

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

2737.5

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

2737.5

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

2737.5

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

2737.5

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

2737.5

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

2737.5

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

2737.5

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

2737.5

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

2737.5

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

2737.5

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

2737.5

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

2737.5

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

2737.5

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

2737.5

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

2737.5

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

2737.5

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

2737.5

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

2737.5

8 25 3.52 6 1/2

12 25 8.42 4

12 25 8.42 4

2737.5

Thu Oct 12 1933
63 7am-4pm

6:35am Clear Cool - Breeze

Spillway	El. 720	Sta 5100	Spill
5#6	12:30	6450	
5#7	12:30	Sta 5125	50 side spill
5#8	12:30	Sta 5170	Spill
DL #17	12:30	Sta 4700	working from 02 2 pm. Handle Forms in charge of time

Cat Escaper in 9:20 out 9:40 in 12:43 out 2 pm

Trucks $\frac{7 \text{ AM } 9:30}{6} \frac{10:11 \text{ } 10:30}{8} \frac{11:30}{8} \frac{12}{3} \frac{1}{3} \frac{2}{3}$

Compass	3A								
Drillers	8								
Nippers	1								
Loaders	1								
Helpers	1								
Swary	2								
Cat	1								

1- Powder Foreman
1- Dumpman
1- Checker
1- Gen Foreman 4 hrs

Dump west

9am 50% good rock to waste
10:20am 20%
2pm 10%

Rock

Lower Emb

Upper Emb

Spill	Time	Time	yds	Spill	Time	Time	yds
7	2	7:33	5	6	33	10:28	5
7	1	7:38	5	6	33	10:38	4 1/2
7	2	7:55	5	6	31	11:24	5
7	1	8:00	5 1/2	6	30	12:42	3
7	33	8:10	4 1/4	6	20	12:53	4 1/4
7	1	8:15	5	6	15	1:01	5 1/4
7	33	8:23	4 1/4	6	3	1:04	5
7	1	8:28	6	6	30	1:08	5
7	2	8:45	5 1/2	6	4	1:13	5 1/2
7	33	8:54	3	6	33	1:18	4 1/2
8	2	1:15	5	6	3	1:21	5
				6	20	1:26	4 1/2
		54		6	7	1:30	4 1/2
		21		6	2	1:33	5
		54		6	3	1:36	6
		378		6	2	1:41	5
		3834		6	3	1:51	6 1/2
		3870		6	3	2:01	5
				6	1	2:10	5 1/2
				6	33	2:15	4
				6	3	2:18	3
				6	31	2:25	5 1/2
				6	5	2:30	3
				6	30	2:35	6
				6	31	3:04	5
				6	12	3:25	5 1/2
				6	31	3:30	5

ced 1000s 11:00

11
27
38 loads

927 ds

Fri. Oct. 13. 1903
65

7 am to 4 pm

#411
SH 6
1232
El 720
Sta 450
4.00
side
200

#411
SH 820
El 720
Sta 450
2.50
side
200

out to road 12:30
2 PM. El 720 Sta 550 side spill

#411
SH 820
El 720
Sta 450
2.50
side
200

8 am to core wall El. 700. No side. core spill
2 PM. Down 9 am up 10 am

#411
SH 115 PM
El 745
2 PM
out to concrete

AM. Bulldozer 30 min PM. 30 min

2 1/2
6 8/7
3 1/2
7 1/2
1 3/7
7 3/7

2 Trucks com
wall - 7 hrs
included in
this tally

8 am
2 comp 2
3 Drills 6
2 Dippers 7
1 loader 1
1 helper 1
8 laborers 8
1 cat 1
1 Gen For 1
1 Dump 1

1 Chockel
1 Powder Foreman
1 Comp 1 Binder Core wall 1:30 PM
1 Comp 00 2 hrs

Dump waste east

10-13-33

AM. 20% to waste
PM 10%

Rock

Upper Emb

Upper Emb

Shov. Trac	Time	Yds	Shov. Trac	Time	Yds	Note	Loads
7 1	802	5 1/2	6 3	227	3 1/2	Marked C	
7 18	807	5	6 4	230	5	reported by	
7 18	823	4 1/2	8 34	234	2 C	Carter as	
8 3	832	3 1/2	6 18	241	5	from core	
7 18	837	5	7 31	253	4 1/2	Wall	
8 3	838	2 1/2	7 13	300	5		47
8 3	845	4 C	7 2	308	6		71
7 18	848	5 1/2	7 13	315	4 1/2		47
6 2	849	5 1/2	6 31	312	4		329
7 18	908	6	6 14	319	7		33 37 core
6 1	944	6	6 5	322	4 1/2		1905
8 2	952	4	6 31	328	4		71
7 1	1005	6	6 18C	332	5		1905
7 2	1013	3	6 3	338	5		13635
8 33	1025	3 1/2 C	7 2	356	5		13875-5
7 1	1028	5 1/2					Spill
8 33	1033	4 1/2	Less core				287 1/2
7 1	1033	6					47
7 12	1045	6					190 1/2
8 3	1045	5 C					
8 33	1050	5 C					
8 3	1058	5 C					
7 12	1103	6 1/2					49 loads
6 3	1105	3					Less core
7 12	1120	5 1/2					11
7 2	1130	5 1/2					38 to Emb
8 33	1237	5 C					
8 1	121	2 C					
8 33	105	5 C					
7 5	201	4 1/2					
7 18	211	6					
7 5	220	5 1/2					
6 24	221	6 1/2					
6 13	224	6					

67 Sat Oct 14-1933

7 am. Clear work

10-14-33

15% good rock to Dump

Spill 7 am to 4 pm

Rock

Upper Embankment

haul Trk Time Yk

7 30 725 5 1/2

7 15 734 5 1/2

7 3 740 6

8 3 742 6

8 2 115 4 1/2

8 2 124 3 1/2 C

8 1 132 3 1/2 C

8 2 141 4 1/2 C

8 1 150 5 C

8 2 155 6 C

8 2 206 5 1/2 C

8 1 220 5 1/2 C

8 2 235 5 C

8 3 311 5 1/2

8 7 312 6

8 3 327 5 1/2

8 1 332 5 1/2

8 3 344 4

8 4 357 5 1/2

7.55 am. Told

Mr Wood that

next 2 sections

of O.G. founda-

tion would be

ready for OK

by noon. He

said he would

not be here as

he was going

to town.

Loads marked

are from core

wall excavation

and will be

reported by

Carter

3.55 pm. Man

injured in

O.G. No Details

later Mueller

struck by Lerner

steel.

5#7 E1.720 Stast415 to Spill

9:30 out for wood NW 1/4 dam

10:20 back to spill set

5#8 E1.720 Stast500 88:50 No Top

12:30 out to core wall EXCAV. 2 Trucks

2:45 to spillway 2 Trucks

02:41 to core wall 2:45 PM

1 TRUCK

Bulldozer in 7:45 out 8:15 out 9:30 out 9:35

7:45	2	2	4:30	10	10:30	4	4	4	12:30	4	2	2	2
4	4	1	3	3	4	4	4	4	4	2	2	2	2

TRUCKS

9 am 1 PM

2 Comp 3

4 drillers 5

1 loader

1 helper

1 ripper

3 Quarry

1 Powder Foreman

1 Dumper

1 checker

1 Cat

Dump on road to lower Emb & West

55

71

55

38 5

39

11 loads to Emb

69 Monday Oct 16 - 1933

6:30 am C1001

10-16-33

15% good rock to waste

Coal
windy

Spillway
#7 El. 720 Sta 6425 No Line 00
out to road
El. 720 Sta

#8 El. 720 Sta 4100 60 So. No. 700
" " " 5430 No Line 00

Bl. H. Cornwall 1 TRUCK

Jan 8 9 10 1 2 3
5 5 4 5 4 4 4

TRUCKS

9 am PM
3 Comp 4
50villeis 7
1 loader 1
1 helper 1
1 nipper 2
6 Quarry
1 Boardman
1 Cat
1 Dumpman
1 checker

Dump rest

Rock		Upper Emb		Upper Emb		Notes
Shovel Tr	Time yds	Shovel	Time yds	Shovel	Time yds	
7 2	708 5	8 2	121 5			13 of this load
7 3	714 5	8 3	129 5 1/2			Wedge in truck
7 1	718 5 1/2	8 2	140 5 1/2			and was returned
7 6	730 6 1/2	8 7	221 4			235 pm
7 2	735 5	8 7	318 5			Premature
7 3	738 5 1/2	7 1	332 5			explosion sta
7 1	741 6	7 1	340 4 1/2			El 745 - 20 tons
7 8	745 6 1/2					6x00 Large
7 3	752 6					Shot 2 Drill bits
7 2	755 5					to doctor 1
7 1	802 4 1/2					head and one
7 3	822 4					leg injury. Shovel
7 3	848 4					bit or bad arm
7 1	853 6 1/2					skinned slightly
7 2	859 6 1/2					
7 8	911 6 1/2					
7 2	918 7					41 loads
7 12	935 6 1/2					
7 2	948 3					
8 3	951 6 1/2					
7 20	958 6 1/2					
7 2	1003 6					
8 1	1004 5 1/2					
7 3	1038 6 1/2					
8 1	1032 5					
8 3	1105 5					
7 2	1106 4 1/2					
8 33	1108 4 1/2					
8 1	1121 6					
7 3	1126 6					
8 33	1132 4 1/2					
8 2	1259 4					
8 1	102 5 1/2					
8 3	111 5 1/2					

71 Tue Oct-17-1933 6:30 am Clear warm
Breeze
7 am to 4 pm

Spillway
3#7 El 720 Sta 6780 No Line OG
1 PM El 720 Sta 6750 60 So of No Top

3#8 El 720 Sta 3700 2 spill

1 PM El 720 Sta 2740 2 spill

Dist #10 El 720 Sta 4700 No Line OG
out to concrete 10:30 am
1 PM in to OG section west end
Quit 2 PM

Cat & scraper 2 1/2 hrs on pit roads & dump

1 Cat

7 AM 8 3/5 10 3/5
1 PM 3 3/4

Tracks

PM

2 comp 3

4 rollers 5

1 mixer 1

1 loader 1

1 helper 1

5 laborers 5

1 dumpman

1 checker

1 Gen For

10-17-33

1040 good rock to waste

Rock

Lower Emb Lower Emb

Shovel	Truck	Time	yds	Shovel	Truck	Time	yds
7	3	713	4	7	1	1046	5 1/2
7	3	728	5	7	3	1055	4
7	2	732	5	7	1	1124	3
7	3	741	4 1/2	7	33	1127	3 1/2
7	2	748	5	8	3	1224	5
7	1	751	4 1/2	8	2	230	3
7	3	758	5	8	3	237	5 1/4
7	2	818	4			29.5	
8	1	830	6			174	
7	2	832	5 1/2			203.5	
7	1	840	5 1/2			71	
7	2	844	5			203.5	
8	3	844	5 1/2			142.45	3 yds
7	1	850	3 1/2			solid	
7	3	856	6				
7	2	856	5				
7	1	903	5				
8	31	905	5				
7	2	909	5 1/2				
7	1	916	6				
8	3	924	6				
8	2	924	5				
8	31	930	4 1/2				
7	1	931	6				
7	2	942	5 1/2				
7	3	943	4 1/4				
8	31	953	4 1/2				
8	1	956	5 1/2				
7	2	1003	4 1/2				
7	30	1018	5				
8	31	1022	4				
8	2	1025	5				
7	1	1026	6 1/2				
7	2	1029	5				
34						174	

230 AM. Tolg

By Carter Hood

Mirwood sent

word to me

that the OG

Foundation

looked O.K. to

him. That the

state inspector

could not be

here but we

could pour.

3:20 PM, State

inspector and

Mirwood here

to inspect the

Foundation

in OG west

end Sta 4756

Allods

73 Wed. Oct 18 1933

7am to 4pm

Clear. Cool. Windy
PM. Windy

10.18.33

4:15 pm 25% good rock to Dump
10% - - - - -

Spiller	Station	Notes
5#6	E1720 Sta 5+25	50.5.41
12:30 PM	5+60	No Line OG
3:30 DOWN		
5#7	E1730 Sta 6+80	On road 50' 50" No Top in place
8:30 AM	E1720 Sta 5+25	60' 50" No Top
12:30 PM		West end OG
1:45 PM	4+50	60' 50" No Top
3:15 PM	5+20	60' 50" No Top
5#8	E1720 Sta. 6+80	No Line OG
9:45	7+20	2 spillway
12:30 PM	7+00	No Line OG

Lower Emb				Upper Emb				Lower Emb			
Shovel	Trk	Time	Yds	Shovel	Trk	Time	Yds	Shovel	Trk	Time	Yds
6	21	7:07	5	8	33	7:27	4 1/2	6	1	11:23	5
8	3	7:17	3	6	31	7:30	4	8	3	12:35	4 1/2
8	2	7:22	5	8	3	7:33	5	8	2	12:40	6
8	2	7:53	5	8	2	7:35	2	6	31	12:40	4 1/2
8	3	7:57	6	8	33	7:42	5	6	1	12:42	6 1/2
6	1	8:01	6	8	31	7:49	5	8	3	12:45	6 1/2
6	33	8:05	4 1/2	6	31	8:17	4	8	2	12:48	4
8	1	8:20	5 1/2	8	3	8:43	5	6	31	12:52	5 1/2
8	3	8:23	5 1/2	8	2	8:50	4	8	1	12:53	5
8	2	8:26	4 1/2	8	2	8:48	4 1/2	8	3	1:00	4 1/2
8	1	8:29	5	8	33	9:57	4 1/2	8	2	1:04	3 1/2
6	31	8:32	5	6	26	10:27	5 1/2	6	31	1:08	5
6	33	8:40	5	7	12	2:26	7	8	2	1:16	4 1/2
6	15	8:42	5	6	31	2:26	4	6	31	1:21	5
6	1	8:47	5	7	3	2:59	4 1/2	6	3	1:24	6
6	31	8:52	4 1/2					6	1	1:28	6 1/2
6	33	9:03	5					6	33	1:40	6
6	1	9:23	5 1/2	15 loads				6	2	1:44	5 1/2
8	2	9:32	5	upper 49 yds				6	3	1:46	5
6	33	9:41	4 1/2					6	1	2:00	6
6	1	9:52	5 1/2	Lower Emb				7	31	2:01	4 1/2
6	31	10:02	4					6	2	2:03	6 1/2
6	1	10:15	6					8	33	2:03	4 1/2
6	31	10:22	4					7	31	2:03	4 1/2
8	2	10:24	4 1/2					6	1	2:10	6 1/2
6	1	10:30	5					6	3	2:16	5
8	2	10:40	5					6	33	2:19	4
6	1	10:46	5					6	2	2:24	5
6	31	10:50	5					8	1	2:26	6 1/2
6	3	10:54	5 1/2					6	10	2:30	4
6	31	10:59	4 1/2					6	3	2:33	6
6	3	11:07	4					6	21	2:32	4 1/2
6	3	11:15	5					8	2	2:38	4 1/2
6	3	11:17	4 1/2					6	1	2:41	6
								6	3	2:45	5 1/2

1-Cat

Cat 6 scraper in 8:45 3:15 PM on road to dump
 8am 9 10 11 12 PM 2 3 4 5

Trucks 3pm

Lower Emb

Shovel	Trk	Time	Yds
6	1	3:31	6 1/2
8	33	3:41	5

3 Compensators

5 Drillers

1 loader

1 helper

1 nipper

5 Muckers

1 Powder Foreman

1 Dumpman

1 checker

Lower 497 13.5 yds

Dump west

691000 lbs

109

178

75 Thu Oct-19-1933 6:30am Clear Cool Breeze
 To mt to 4 pm

To waste 100%

Spillway
 5#6 El 720 Sta 7+00 No Line 06
 12:30 " " 6+40 8

5#7 El 720 Sta 5+40 30' 50" No Toe
 12:30 " " 5+15 6 1/2
 1:15 To dig out #8
 2:45 Back to 5+15

5#8 El 720 Sta 6+00 50' 50" No Toe
 12:30 El 723 Sta 1+00 No Toe
 1:02 pm Caught in slide

#100L 12:30 into west end 06 3 1/2

Rock		Upper Emb				Lower Emb					
Shovel	TRK	Time	yds	Shovel	TRK	Time	yds				
6	26	700	6 1/2	6	23	1225	6	4	25	354	6
6	24	703	6	6	6	1245	5 1/2				173
6	24	719	5 1/2	6	23	1250	5				85
6	26	723	5	6	5	1256	3				181.5
6	6	727	5	6	23	1259	3 1/2				71
6	22	733	5	6	24	125	6				181.5
6	24	753	4	6	5	110	4 1/2				129.05
6	23	756	3 1/2	6	12	116	6				130865
6	5	800	5	6	24	118	5 1/2				130yds
6	6	826	4 1/2	6	23	128	5				
6	23	845	4	6	25	124	5 1/2				
6	23	880	4 1/2	6	5	136	5				
6	12	907	6	6	24	139	6				
6	5	921	5	6	23	142	5 1/2				
6	23	929	5 1/2	6	25	145	5 1/2				
6	26	930	6 1/2	6	25	153	5 1/2				
6	5	953	5 1/2	6	24	203	5				
6	23	1000	5	6	25	212	5 1/2				
6	23	1026	5 1/2	6	5	220	5				
6	5	1030	4 1/2	6	24	222	5				
6	23	1042	5	6	23	227	6				
6	6	1106	4	6	25	230	5 1/2				
6	5	1113	6	6	5	234	5 1/2				
6	24	1113	7	6	24	238	5				25
6	26	126	5 1/2	6	23	243	6				35
				6	25	245	4				60 loads
				6	5	250	5 1/2				
				6	6	309	5 1/2				
				6	5	313	4 1/2				
				6	25	321	3				
				6	5	304	5 1/2				
				6	25	338	5 1/2				800
				6	6	345	5				130
				6	5	350	5 1/2				12

Note 10:30 PM

100 yd slide

Sta 1+00 No

side. shovel

#8 caught in

slide

123 40 yds max.

700 3 2 1/2 1 2 3
 7 7 7 7 9 9 9

Trucks

3 compressors

50 rivets on side 250 side rock
 1100dl

1 helper

2 nippers

6 markers

1 powder foreman

1 checker

1 dump repair

Damp vest

77 Fri. Oct 20 1933

4:30 am Clear. Cool
10:00 windy

7 am to 4 pm

Spillway

5#6	El. 720	No 6x20	30 side	
9/5		700	30 side	4 1/2

12:30 down for repairs

5#7

El. 730 Sta. 440 Casting bldg. road along N. Toe

9:30 am

El. 720 Sta. 440 50.50 No Toe

2 1/2

12:30 pm

El. 720 Sta. 450 70.50 No Toe

3:30 pm Building road along north toe 5

5#8

El. 720 Sta. 440 70.50 No Toe

12:30 same

8

Bulldozer in 12:30 out 1 pm

1 Cat

Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
8	9	10	11	12	13	14	15	16	17	18	19	20	21

Trucks

7 7 7 9 8 5 5 5 5

8 am

4 Compressors

6 Drills

1 loader

1 helper

1 Ripper

3 Muckers

1 Dumpman

1 Resident Foreman

1 Gen. Foreman

9:15 am. Talked with conc. boss about foundation
O.K. He said he would not need it until next

week

Checker laid off this am
Dump westam 10% good rock to dump
pm. No vocal

Rock

Level	Emb	Level	Emb				
Shovel	Trk	Trnk	Yds	Shovel	Trk	Trnk	Yds
6 24	6 57	5		6 5	9 44	5	
6 18	7 00	5		6 18	9 50	4	
8 26	7 03	5		6 5	10 00	4 1/2	
6 24	7 09	4 1/2		6 23	10 10	3 1/2	
8 1	7 10	6		6 18	10 15	3	
6 23	7 11	5 1/2		6 24	10 22	5	
6 15	7 25	5		6 23	10 24	4	
6 23	7 34	4 1/2		6 18	10 26	4	
6 6	7 37	4		6 5	10 28	5 1/2	
6 15	7 49	5 1/2		6 24	10 30	5	
6 23	7 55	5		6 23	10 33	4 1/2	
6 15	8 03	4 1/2		6 15	10 36	4 1/2	
6 10	8 10	4 1/2		6 18	10 39	5	
6 5	8 16	5		6 5	10 42	5 1/2	
6 24	8 20	5		6 12	10 50	4 1/2	
6 12	8 25	4 1/2		6 5	10 58	5	
6 5	8 32	6		6 18	11 04	4	
6 23	8 42	4 1/2		6 5	11 00	3	
6 12	8 47	5					
6 5	8 50	4					
8 24	8 55	5					
6 15	8 55	5					
8 12	9 02	5					
6 23	9 08	5 1/2					
6 5	9 16	4 1/2					
6 6	9 20	5					
8 18	9 27	5					
6 23	9 28	4					
8 5	9 30	5 1/2					
8 26	9 31	3 1/2					
6 24	9 34	6					
6 13	9 35	5					
8 12	9 38	5 1/2					
6 23	9 41	5					

52 loads

237
10
247
71
247
172.9
175.37

79 Sat Oct 21-1933 6:40 am Clear Cool
7 am to 4 pm

Spillway
3#7 12:30 El 730 Sta 6+50 6' 5" No Top
3#8 El 721 Sta 6+50 6' 5" stop
12:30 El 720 Sta 2+25 6' Spillway
12:30 El 720 Sta 5+50 5' side Spillway

Bulldozer in 12:30 Out 1:13 pm

1 Cat

7 am 8 9 10 11 12:30 1:30 2:30 3:30

Trucks 5 5 4 4 5 5 5 5

3 Compressors

5 Drillers

1 Loader

1 Helper

1 Nipper

3 Muckers 1 mucker on 10 am

1 Dumpman

1 Ravider Foreman

1 Gen Foreman

Dump west

30% good rock to waste

10
20

Rock /
Concr Emb

Shovl	TR	Time	yds
8 15	712		4
8 24	716		5
8 23	711		6
8 15	714		4
1 15	1252		5
8 24	102		6
8 24	116		4 1/2
8 24	128		5
8 24	142		4
1 15	152		5
8 25	152		4 1/2
8 24	201		4
8 15	222		5 1/2
8 25	223		5
8 15	224		5
8 25	225		5 1/2
8 24	229		4
8 15	235		5
8 25	239		6
8 25	252		4
1 15	254		5
8 25	30		5 1/2
8 24	320		6
8 15	333		5 1/2
8 25	333		5
8 24	342		5
8 15	350		3 1/2
8 25	354		5
8 24	40		5
		147.5	
		71	
		142.5	
		997.5	
		10217.5	

Note 2 Drillers

1 Camp drilling
NE 1/4 of dam

on rock fill. Must be
Quarry rock

29 loads

81 Monday Oct 23-33

6:55 am Clear Cool

7 am to 4 pm

Spillway
5#7 El. 720 Sta 2+50 60' 50" No Top
12:20 2+25

5#8 El. 700 Sta 3+50 80' 50" No Top
7:30 am " " 6:20 50' 50" slope
10:45 am Repairs, installing atank
12:30 El. 720 Sta 00 50' 50" Top

D#10 To west end C.G.
2:45 PM

1 Bulldozer 7 am 7:30 am in 12:30 out 1 pm

1 Cat 7 am 8:00 10 11 1 2 3

Trucks 5 5 6 6 6 5 5

3 Compressors.

5 Drillers

1 loader

1 Helper

1 Nipper

3 Quarry

1 Powder Foreman

No Dumpman or checker

Dump west

15% good rock to waste

Rock				Lower Emb			
Upper Emb				Lower Emb			
Shovel	Trk	Time	yds	shvl	Trk	Time	yds
7	15	7:04	5 1/2	7	23	12:49	4
7	24	7:11	5 1/2	7	23	1:00	5 1/2
7	25	7:17	4 1/2	8	6	1:00	5 1/2
7	15	7:20	5 1/2	8	6	1:10	5
7	24	7:23	5 1/2	7	25	1:12	4 1/2
8	6	7:45	5.0	8	6	1:22	5
8	26	8:02	5	8	26	1:37	4
8	15	8:15	5	8	26	1:52	4 1/2
7	25	8:19	5 1/4	8	6	1:52	4 1/2
8	6	8:22	6	8	26	2:05	4
7	24	8:24	5	8	6	2:11	4 1/2
8	26	8:30	4 1/2	7	25	2:12	6
7	25	8:33	6	8	6	2:21	2 1/2
7	24	8:36	5 1/2	8	26	2:26	4 1/2
8	15	8:40	5 1/4	8	23	2:28	3 1/2
8	26	8:52	5	8	6	2:33	5
7	24	8:54	6 1/2	8	26	2:52	5
7	24	9:03	5 1/2	8	23	3:12	4
7	23	9:03	5 1/2	10	6	3:12	6
8	6	9:23	5 1/2	8	25	3:33	6
8	26	9:33	4 1/2	8	6	3:40	5
7	25	9:34	6	7	6	3:42	6
8	26	9:44	4 1/2				
7	25	9:58	5				
8	15	10:02	4 1/2				
8	26	10:11	4 1/2				
8	15	10:18	4 1/2				
8	20	10:22	5				
7	24	10:24	7				
8	26	10:40	4				
7	15	10:40	5 1/4				
7	26	11:12	4				
8	6	12:42	4 1/2				
8	26	12:46	4 1/2				

Note Mr Wood
told me tonight
that state had
approved of
Foundation E
that they could
pour any time
the cleaning
was approved
by Carter or
Myself

56 loads

196 yds solid

85 Tue Oct 24-33
7 am to 4 pm

6:35 am clear - Cool

Spillway
5#7 El. 730 Sta 1450 No Top
12:20 PM. El. 720 Sta 1450 ~~Spillway~~ 8

5#8 El. 720 Sta 1420 So Top
12:30 Road building into spill
1:45 To El. 720 Sta 14750 So side

Build 201 in 12:30 out 1:15

1 Cat 7 am @ 2 10:45 1:20 L 2

Trucks 5 5 6 6 6 6 6

4 Compressors
6 Drillers
1 Nipper
1 Hooper
1 Helper
6 Quarrymen
1 Powder Foreman
1 Gun Foreman
1 Pumpman

Dump road

Rock

Lower Emb				Lower Emb			
haul	Trk	Time	yds	haul	Trk	Time	yds
8 6	704	6		8 26	340	4	
8 26	710	5 1/2		8 6	344	5	
8 20	714	5		8 26	352	4 1/2	
8 6	718	7					
8 26	721	5 1/2					
8 20	728	5					
7 15	734	7					
8 6	744	5					
8 6	754	4					
7 15	802	7					
8 6	807	4 1/2					
8 20	815	5					
8 20	827	5					
7 24	841	7					
8 26	852	3					
8 6	901	4					
7 15	921	5					
7 24	1030	7					
8 26	147	5 1/2					
8 6	153	4 1/2					
8 6	200	5 1/2					
8 20	213	5					
8 20	222	5 1/2					
7 24	241	5					
8 20	257	4					
7 24	302	5 1/2					
7 20	305	5 1/2					
8 26	305	5 1/2					
7 15	308	5 1/2					
8 6	313	4					
7 24	313	7					
8 26	324	5					
8 20	324	5 1/2					
7 15	328	5					

am 25% good rock to dump
pm 20% good rock to dump

37 loads

182
6.5
188.5
71
188.5
13195
183835
139

Told Carter
about foundation
in 06 see
yesterdays
Notes

85 Wed Oct. 25-33
Tamp to 4 pm

6:35 am Clear Cool
2:45 pm strong west wind
3 pm Gale

5#7 El. 720 Sta 2125 & spillway
1 PM El. 720 Sta 3100 & spillway (8)

5#8 El. 720 Sta 5100 So side spillway
Down 7:45 to 8:50
Out 9 am for repairs BACK 12 PM (5)
1 PM El. 720 Sta 6200 So side

7400 2 12 4 L 308
30514

Trucks

6 4 3 3 26
2 on So side El. 720 Sta 600 to 700
1 on No side El. 730 Sta 2150 4000 to 5000

3 Compressors
6 Drillers
1 Nipper
1 Loader
1 Helper
3 Quarrymen
1 Dumpman
1 Powder Foreman
1 Gen Foreman

Dump west

25% of good rock to dump
25% of good rock to dump

Rock

Hour	TR	Tons	yds
7	23	940	5
8	6	125	5
8	20	128	5
8	2	124	4 1/2
8	6	142	4 1/2
8	6	202	4 1/2
8	6	230	4
7	2	233	5
8	20	236	4
8	20	242	4 1/2
8	2	252	4
8	6	303	4 1/2
7	7	303	5
8	20	302	5
7	23	312	6 1/2
7	7	319	5
8	2	322	5
8	20	323	4
8	6	325	4
8	2	321	5
7	23	321	5 1/2
8	21	322	4
8	2	328	5 1/2
7	7	342	5
8	20	342	4 1/2
8	2	354	5 1/2
7	7	352	5 1/2

271005

129.5
71
129.5
906.5
4194.5
927ds

Thu. Oct. 26-1933
87 7am to 4pm

6:35 am Clear Cold
Wind east

Spillway #7 El. 720 Sta 4780 60' 50" No Top

#8 El. 720 Sta 5450 60' 50" No Top
Down 7:20 am to 9:20 am
9:20 am to El. 720 Sta. 4780 & Spillway

DL #11 El. 720 West end of O.G.
8 am out to concrete

Build 120' 12:00 to 12:30

1. Cat
Time used 7:00 - 9:10 11 10m 2 3

Trucks 6 6 6 6 5 5 5
1. comp El. 720 Sta 6720 500' 680' 3.50
1. 730 1200 & spill
1. West End O.G.

- 4 Compressors
- 7 Drillers
- 1 loader
- 1 helper
- 1 Ripper
- 2 Quarry
- 1 Dumpman
- 1. Foreman Foreman
- 1. Gen Foreman

Dump west

10950 good rock to dump

Rock - Spillway
Lower End

Wheel	Tex	Trac	Yds
7 23	825	47 1/2	
7 20	836	44 1/2	
7 7	928	5	
7 15	926	5 1/2	
7 15	944	5	
7 20	952	5	
7 7	955	5	
7 15	957	4 1/2	
7 6	1020	4	
7 20	1020	4 1/2	
7 6	1111	5	
7 20	1129	5	
8 6	245	5 1/2	

Note. Drillers
on upper End
breaking Quarry
rock

13100ds

64
71
64
448
4544
457ds

99 Fri. Oct. 27-33

6⁴⁵ am High Fog - Cool

Spillway 5#7	E1.720	31st + 50	Q. Spillway working east
12 ³⁰		4100	

5#8	E1.720	4 + 25	Q. Spillway working east
12 ³⁰ out to repair			
#6 12 ³⁰	E1.720	425	

Buildzer	600-705	12 ³⁰ to 1 PM
----------	---------	--------------------------

1 Cat					
Timber	78-8	9 10	11	12	3
Trees	5-5	5 5	5 5	5 5	

3 Compressors

4 Drillers

1 Ripper

1 Loader

5 Quarrymen

1 Dumpman

1 Power of Foreman

Dump west

10% good rock to dump

Rock - Spillway

Level	Feet	Time	Yds
7	23	7:15	5
7	23	7:40	5 1/2
7	20	8:15	4 1/2
7	23	9:43	5 1/2
7	23	10:11	6
7	6	10:24	6
7	20	10:50	6
7	23	11:28	6
6	23	12:56	4 1/2
6	6	1:10	6
6	6	2:32	4
6	6	3:58	6

12 loads

65
71
65
455
46.15

Note: Drillers

on upper Emb
drilling Quarry
rock. A driller
told me at
11⁵⁵ am that
they were

drilling quarry
rock to make
hard stone
for the facing

4:15 PM

Mr Wood just
called my attention
to invoices
recd from the
Contractors
covering the
drilling and
shooting of
Nodules a
few days ago.

Sat Oct 28-33
91 Monday
7am to 4pm

6:25 am Foggy - Cool

Spillway
5#6 E1.720 Sta 6750 So. Side
Down 9:50 to 10:15
10:45 am out to repair Brings #8 in 11 am
2:15 pm in E1.720 Sta 6720 So. Side Spillway
2:25 down - starts 2:45
Down 6:00 3:45 pm
5#7 E1.720 Sta 1400 2 spill
7:20 am down 9:30 to 11:00 am
12:00 E1.720 Sta 4425 2 spillway
1:45 down - out for repairs
5#8 - 11 am E1.720 Sta 6700 So. Side
12:00 pm " " " 6:20 " "
1:55 pm Moves to replace #7 Sta. 4425 - E1.720 4:30 pm
2:50 pm down - starts 2:45 pm
3:45 Down 7 Tracks off

Cat 650 scraper in 12:30 out 3 PM
Bulldozer in 12:15 out 2:15 2 hrs

1. Cat
7 am 3:20 1:30

Tracks 6-6-6-6 5 5.5

3 Compressors
5 Drillers
1 loader
1 Helper
2 rippers
3 Quarrymen
1 Dumpman
1 Powder Foreman
1 Gen Foreman

Dumpcrest

1 comp. So. side E1.720 Sta 6720
1 " 2 spill E1.720 245
1. on junction O&C control
1. 5400 2 spill
1. 6490 So. side
1. Junction O&C control

Spill. Rock

Lower Emb				Upper Emb			
Shov	Ten	Time	Yds	Shov	Ten	Time	Yds
7 15	700	6	6	6-23	-	-	5 1/4
6 6	700	6	6	6-6	902	6 1/2	both Emb's
6 20	703	5 1/2	6-6	8:50	4	9 am	O'Brien
6 23	707	5	6-23	8:45	6	changed	Spillway
7 33	708	4 1/2	6-23			Rock	Down D
6 6	710	4 1/2					
7 39	714	4 1/2					then lower Emb
6 20	715	4					to upper Emb
7 15	716	4 1/2					
6 23	719	5					11 am I can only
6 6	724	5					come to me
6 6	727	4 1/2					about shooting
6 23	730	3 1/2					Nodules. telling
6 20	734	4 1/2					that they would
6 39	737	3					have to be marked
6 23	803	4	8 39	24	3 1/2		with white paint
6 20	807	4	6 6	2 1/4	5		or they would
6 39	813	3 1/2	6 23	2 1/4	5		shoot everything
6 23	820	4 1/2	8 20	2 5/8	5		I told him to
6 39	822	3	6 23	2 5/8	4 1/2		300 Mr Wood
6 20	841	7 1/2	8 6	3 00	6		as they had been
6 23	1015	6 1/2					marked
6 23	1022	5					Today is the first
6 39	1026	2 1/2					mention to me
8 20	114	5					by the contractor
8 23	1164	4 1/2					about this period
8 20	1121	4 1/2					of drilling. Before
8 23	1232	5 1/2					this time I have
8 20	1242	4					been told when the
8 39	1245	3 1/2					equip. was moved
8 23	1247	4 1/2					to the work. so I
8 20	126	4 1/2					could cooperate
8 39	130	4 1/2					Also materials
7 6	133	5 1/2					used were reported
8 20	145	4					to me daily. Page 4
							160 1/2

6 am. 15% good rock to waste

Lower Emb

Lower Emb.

45 loads

93 Oct 30 - 33

7 am to 4 pm

Spillway #7 El. 720 Sta 6+20 So. Side

12:30 Down 3.45 to

#8 El. 720 Sta 4+25 60' So No Top

12:30 Down 2.45 to 3.30 pm

1 Cat

1 Bulldozer in 7:00 out 7:30 in 12:30 out 12:45

1 Cat scraper 7 am to 9 am in 10 am out 11 am
7 am 2 10 11 1 2 3

Trucks 6 6 6 6 6 6
2 Comp. 30 slope Sta 6+20 El. 720
1 Junction O&E Coverall

3 Compressors

5 Drills

1 Loader

1 Ripper

2 Quarrymen

9 Muckers hand work spillway floor 10 pm

1 Powder Foreman

1 Dampman

1 Gen Foreman

Dumpwest

6:30 am Foggy - Cool - wind

am 10% good rock to waste

pm 15% good rock to waste

Spillway Face

Lower Emb

Lower Emb

Shovel	Trk	Time	yds	Shovel	Trk	Time	yds
7	23	710	4	7	23	946	5 1/2
7	6	720	4 1/2	7	6	950	5
7	39	723	4	7	15	952	3 1/2
7	23	725	5 1/2	8	33	1024	3 1/2
7	15	726	6	7	23	1026	3 1/2
7	6	731	5 1/2	7	6	1023	2 1/2
7	39	733	3 1/2	7	23	1020	4 1/2
7	23	735	4	7	39	185	3
7	15	741	5 1/2	7	23	1043	4 1/2
7	20	742	6	7	20	1050	4
7	6	747	5 1/2	7	6	1055	5
7	33	750	3 1/2	7	23	1059	5
8	39	752	4	7	20	1105	5
7	23	752	5 1/2	7	15	1103	4
7	20	754	5 1/2	7	23	1127	5
7	6	800	4 1/2	7	20	1122	4
7	23	805	5	7	6	1126	4 1/2
7	20	808	4	7	20	1237	4 1/2
7	6	812	5	7	39	1240	3
7	23	815	4 1/2	7	23	1243	5
8	15	819	5 1/2	7	6	1245	5
8	20	825	6	7	20	1247	4
7	23	829	5	7	39	1250	4
7	6	832	5	7	6	1252	5
7	23	840	4 1/2	8	15	106	5 1/2
7	6	842	4	7	20	108	4
7	15	852	5	8	15	117	5
8	15	906	6	7	6	120	5 1/2
7	6	916	6	7	20	136	5 1/2
7	20	920	6	7	6	144	5
7	15	923	5	7	23	146	5
7	33	926	4 1/2	7	20	202	6
7	23	921	4	7	23	212	5
7	20	941	5	7	20	216	5
			167				154

Note Quarry

rock to bath

embankments

See Notes Page 4

This date

Lower Emb

Shovel Trk Time yds

7 6 212 4 1/2

7 23 221 4 1/2

7 33 224 4

7 20 226 4

7 6 230 5

7 20 237 4 1/2

7 20 246 5

7 6 250 3 1/2

7 15 3 4

7 20 302 5

7 6 308 4

7 39 312 4

48

80 loads 167

154

48

369

71

369

2583

26199

260 yds

Tue Oct 31 33 6:45 am 10:11 - quit work 9:45 am
 9:5 7am to 4pm

Spill 5N7 El. 720 570 6740 50 side

5N8 El. 720 4450 25 spill
 7:30 am " " 5720 50 side

1 cat scraper 7:30 to 8:45 Floor
 Bulldozer 7:30 to 7:30 am

1 Cat 7am 8:45 9:45

Trucks 6 6 6 6

2 Comp - 4 Drills 6760 50 side

1 Comp - 1 Drill - 1 Quarry of 1000

3 Compressors

5 Drills

1 loader

1 Helper

1 Nipper

3 Quarrymen

8 masons spill floor off 2 am

1 Dumpman

1 Powder Foreman

1 Gen Foreman

100 spill floor

13 Truckers

2 carpenters

1 compressor

cat scraper

10 Drills

1 Nipper

Marked 20 Nodules

am 10:11 rock waste

Spillway Rock

Spill	Trk	Time	Vol
7	20	703	5 1/2
7	39	708	3 1/2
7	6	710	2 1/2
7	20	713	4
7	23	717	3 1/2
7	39	720	3
8	15	722	4 1/2
7	6	727	4 1/2
7	20	730	5 1/2
7	15	737	5
7	6	739	3 1/2
7	23	741	5 1/2
7	15	750	5 1/2
7	6	750	5
7	15	803	5
7	23	808	4
7	6	816	5
7	39	824	4 1/2
7	23	832	6
7	6	839	5
7	39	845	4
7	23	853	6
7	23	907	5
7	6	919	5
7	20	916	6
7	6	924	6

122.5
 71
 122.5
 8575
 86978
 87yds

26 loads

1011 loads
 in October

Note - 12:50 PM
 Notified steves
 that the marking
 of Nodules
 was complete
 He said he
 didnt give a
 damn. This
 completes
 the upper Emb

100
 1 Ear
 2 cart
 2 Lab
 1 scraper
 1 Comp 17.14

Wed Nov. 11 30
97 7am - 4pm

845 AM Clear Col. g.

am 15% good rock waste
pm: 10% good rock to waste.

Spillway
547 945 E1720 Sta 6+50 50 T0E
5+23 6050 No T0E
Out at 11:30 AM

548 12:30 PM E1720 Sta 5+40 50 T0E
5+40 60150. 61 No T0E

549 12:25 E1720 Sta 6+0 50 T0E

DLW/O 12:30 E1720 Sta 1+40 60.50 No T0E. Loading
rock & handling steel for floor slab

7am & 9 10 11 1PM 2 3

Trucks 6 6 6 6 6 6 6
1-Comp - 274 678 50 slope & fill
1- " - 154 Junction
2 Compressors 2
3 Drillers 3
3 Quarrymen 3
1 Loader 1
1 Helper 1
1 Nipper 1
1 Dumpman 1
1 Powder Foreman 1
1 Gen Foreman 1

Fine Grade Spill
✓ 16 Muckers 1- Cold scraper - 4 1/2 hrs m 3:30 - 4:15 PM
✓ 1 Comp 1 Foreman 4 hrs
✓ 1 Jackhammer pm 2.74
✓ 1 Drill - 2 Drillers
✓ Dumpwest

Spillway Rock

Lower Emb				Lower Emb				Notes
Shvl	Trk	Time	yds	Shvl	Trk	Time	yds	
7	39	708	4	6	23	141	6	Notes.
7	15	709	5	6	6	143	5 1/2	Quarry rock
8	6	709	5	6	39	146	4	to lower Emb
7	23	712	5 1/2	6	15	149	5	Quarry rock
7	6	732	6	6	23	152	6	to upper Emb
7	23	749	6	6	39	202	4	1:30 PM, Camp
7	15	753	6	6	39	215	4	and two drillers
7	20	825	5	upper Emb	10	20	2 1/2	are working
7	39	828	4	6	23	224	5	on upper Emb
7	23	832	5	6	39	228	4	in area where
7	39	843	3 1/2	6	15	241	4 1/2	30 nodules
8	23	850	5 1/2	6	6	249	6	are marked
7	6	913	5 1/2	6	23	259	5 1/2	Worked AM
7	39	923	3	6	15	370	6	
7	15	935	4 1/2	6	6	331	6	
6	15	1233	2	6	33	342	4 1/2	
6	20	1232	6	6	6	352	4 1/2	
6	6	1240	4					80 1/2
6	39	1243	4 1/2					168.5
6	23	1246	5 1/2					249
6	15	1249	5 1/2					71
6	20	1251	5					249
6	6	1254	5 1/2					1743
6	39	1257	3 1/2					17679
6	23	1260	5					177yds
6	15	1263	5 1/2					
6	6	1266	5					
6	39	1268	3					
10	20	112	6 1/2					
6	33	114	4					
10	15	124	7 1/2					
6	23	124	5 1/2					
6	39	127	3 1/2					
6	20	136	5					168 1/2

99 Thu Nov 2-33 6:30 a.m. Clear-Cool-East wind

Tom- 4 PM

Spillway

5#6 El. 720 Sta 6+40 50 Toe

11 am to El. 715 5+80 50 Toe

12:30 Same

5#8 El. 720 Sta 3+50 60' 50' No Toe-

8:45 a.m. El. 715 5+80 60' 50' No Toe-

12:30 Same

DL# 10 El. 730 Sta 1+25 From Spill Floor

1-Truck 9 am included in total below

To Concrete 3 pm

Buildozer 1/2 hr

1 Cat.

7 AM 8 9 10 11 1 PM 2 3

Trucks 6 6 6 6 6 6 6 6

Spillway

Grading Floor

2 Comp

1-Comp

4 Drills

1-Drill

1 Nipper 1/2

15 Muckers 1/2

1 Loader

1 Gen Foreman 4 hrs

1 Helper

Cat. scraper in 10:30

2 Quarry-Mm. 6. 4 in 26

1 Foreman For

1-Dumpman

1 Gen Foreman

Dump road

am 10% good rock to waste

pm 5% good rock to waste

1570

Spillway Rock

Lower Emb.

Spill Trk Time yds' shvl Trk Time yds'

6 15 745 5

6 23 748 5 1/2

6 20 752 5

6 23 812 5 1/2

6 20 815 6

6 15 818 5

6 20 831 5

6 15 835 6

6 6 910 6

6 15 914 5

6 39 916 4

6 15 922 5

6 6 925 5 1/2

6 23 940 5

6 15 945 5

6 30 956 4 1/2

6 20 1002 4

6 6 1002 4 1/2

6 15 1010 5

6 23 1032 5

5 12 33 1253 4 1/2

5 10 33 111 3 1/2

6 15 112 4

5 10 33 146 4

6 23 205 4

6 23 245 5

26 100ds

Note 7:30 am

1-Comp 25H
on Nodules

NE 44 of dam

MARKED 21

Nodules in

North 3/4 of lower

(Consist of)

Embs this a.m.

Quarry rock

to both Embs

Not drilling Nodules

this p.m.

11.5

71

11.5

80.5

8.165

115.5

71

115.5

80.5

920.5

105 Monday Nov 6 1933 6:20 am Clear. Cool

Tam to 4 pm

Spillway
 3#9 El. 715 Sta 7+00 So Toe
 12:30 El. 720 Sta 6+60 So Toe
 1:45 El. 715 Sta 7+00 So Toe
 3 PM El. 715 Sta 7+00 2.5 Spillway
 3:30 pm El. 710 Sta 6+80 20 No 2.5 Spillway

9:30 am

DL#10 cover all area stripping El. 700

1-Cat

Time 23815
 23815
 Truck tally 2 2 2 3 3 3 3 3 3

Spillway

1-Compressor
 2-Drillers
 1-Nipper 2
 3-Quarry
 1 Loader
 1. Powder Foreman

Spillway Floor

1-Compressor
 2-Drillers
 1-Nipper - 4
 3-Muckers
 1-McMillan
 PM
 2 Comp
 4 SH
 1 NIP
 5 MUCKERS
 1-McMillan
 1-Foreman 4 PM

Dump West

20% good rock to waste

Spillway Rock

Lower Emb

Lower Emb

Shovel	Trk	Time	yds	Shvl	Trk	Time	yds	Notes
9 15	824	5		9 20	155	7		Notes Quarry
9 23	825	5 1/2		9 15	159	5		rock to upper
9 15	827	5 1/2		9 23	203	6		Embankment
9 23	840	6		9 15	202	5 1/2		Note DL#6
9 15	850	5		9 15	242	6		truck on
9 23	853	5 1/2		9 23	251	5 1/2		Lower Emb
9 15	910	6 1/2		9 20	254	5 1/2		Chaining rock
9 23	923	5 1/2						Tam to 9:30 am
9 15	922	5						3:40 pm Drilling
9 20	940	5						angular rock
9 23	943	5 1/2						upstream face
9 15	946	5						
9 20	951	5						
9 15	952	5						
9 20	1022	5						
9 20	1024	5						
9 23	1028	5 1/2						
9 15	1031	5 1/2						
9 23	1037	4 1/2						
9 20	1042	6						
9 15	1046	5 1/2						
9 23	1049	6 1/2						
9 20	1053	5 1/2						
9 23	1101	5						
9 15	1110	4 1/2						
9 23	1113	5						
9 20	1112	5 1/2						
9 23	1234	6						
9 20	1237	5						
9 15	102	5 1/2						
9 23	107	6						
9 20	11	5						
9 23	120	5 1/2						
9 23	151	5						
								182

182
 40.5
 172.5
 71

222.5
 157.5
 157.975
 158 yds

41 loads

107 Tue Nov 7-1933 6:20 am clear cold

Tam to 4 pm

Spillway
5#9 E1715 Slab to 50 TOE
12³⁰ same

DL #10 E1720 starts chaining rock
1 PM 1³⁰ Handling forms

1 Cat							
Time	7am	8	9	10	11	12	3
Truck tally	3	3	3	3	3	3	3

Spillway
1-Comp
2-Drillers
1 Loader
3-Quarrymen

1-Gen Foreman

Spillway Floor
1-Comp
2 Drillers
1 Comp - 20 min to 9 am
7. Muck out
1-Mc Millan - 4 hrs
PM.
1-Comp
2-JH
6 Muckers on fill drain
& spillway
1-Foreman 4 hrs
1-Nipper 4 hrs

Dump west

6:30 70% good rock to waste
pm 15:40

Spillway Rock
Lower Emb upper Emb

Hour	Trk Time	yds	Hour	Trk Time	yds	Notes
9 15	137	5 1/2	9 23	10 ⁵³	4 1/2	Quarry rock to
9 23	7 ⁵⁴	5	9 20	12 ³⁸	4 1/2	upper Emb
9 15	8 ⁵⁰	6 1/2	9 26	12 ⁴⁴	L	No 6 Dragline
9 23	9 ⁰⁴	5 1/2	9 20	12 ⁵⁶	6	and one
9 20	9 ¹⁴	5	9 26	103	6 1/2	Truck chaining
9 26	10 ⁰⁰	4	9 23	107	5	Rock from
9 26	10 ⁵⁷	5 1/2	9 26	116	5 1/2	Upper top of
			9 26	156	5	Lower Emb
			9 20	207	4 1/2	Franks says 1/2
			9 26	2 ¹⁵	5	per yard D6
			9 15	220	5 1/2	2 1/3 ^{to} 3 1/4 on
			9 20	2 ²⁸	5	rock 3/4 side
			9 26	232	5 1/2	spillway sta
			9 20	311	4 1/2	6:00
			9 26	316	5	9:30 am
			9 20	3 ²³	5 1/2	Comp repair
			9 26	3 ²⁸	5 1/2	man starting
			9 20	5 ²²	5	Comp on

25 yds

25 loads

94	upper Emb.
71	NE 14
94	Quarry rock to
658	Lower Emb
6674	First loads I
66 yds	Saw at 9:20 am
	10:45 am
	Drilling angular
	rock upper Emb
	1:20 pm manual
	one Node 60.
	and upper Emb
	oil
	1:22 Drilling
	angular rock
	#6 Leaves
	Lower Emb
	3:30 pm

109 Wed. Nov. 8. 1933 6⁵⁵ am Clear Cold - Windy

7am to 4pm

Spillway

548 El. 720 Sta 4+00 - Cleaning floor grading 1^{1/2} hr

Out. 8³⁰ am

12³⁰ 723 4+00 & spillway

549 El. 720 5+10 & spillway

12³⁰ El. 720 6+40 20 No & spillway

DL#10 El. 720 4+00 40 No of Grading 1^{1/2} hr

12³⁰ 724 3+50 & spill. grading

9 am Out

12³⁰ 720 1+50 Floor

1. cat

Time Jan 8 9 10 11 12 1 2 3

Tally of Trucks 5 5 3 3 3 4 4 4 4

Spillway

1-Corn

2-Drillers

1-Loader

3-Quarry 2 in pm

1-Nipper 4 hrs

1-Provider Foreman

Spillway Floor

1-Camp 1/2 time

1-Driller

1-Nipper 4 hrs

6-Muckers

1-McMillan - 4 hrs

10 cm

2-Camp

3 Drillers

2 Muckers

pm

DL#1

1-Tr

Smuckers + 30 1/2

Foreman 4 hrs

Dumprest West & East .pm

75% good rock to waste

Spillway Rock

Upper Emb

Stk Tvk 700 yds

9 20 847 6

9 20 924 4

9 20 952 3 1/2

9 11 1012 4

9 20 1042 5 1/2

9 11 1102 4

27

71

27

189

19, 17

19 yds

6100's

Notes

am

Quarry rock

to both

Embankments

10 15 am. Drilling

angular rock

on upper

Embankment

DL#6 to

Lower Emb 12³⁰

Quarry rock

to lower Emb

only in pm

3 pm DL#6

Out from lower

Emb to handle

forms of mixing

plant.

11) Thu Nov 7 1933

6:50 am Clear Cold

Spillway

5#8 El. 720 Sta 4+00 30' No. 24 Grading floor

12:30 pm El. 720 Sta 4+00 50' No. 24

2:15 pm E 715 5+60 20' No. 24 Spillway

DL#10 720 3+00 Spill. Floor Fine gr.

12:30 to concrete 1 Tr

DL#6 El. 720 2+00 Handling skip

1:30 pm from spillway Excavation Fine gr. 1 Tr

Spillway Road

Lower Emb.

2401 Trk Trk yds

8 32 11'4 4

8 6 11'8 4 1/2

8.5

7.1

8.5

59.5

6.0 8.5

Notes

Quarry rock

to lower Emb

DL#6 on upper

Emb. a.m.

12:30 out to

spillway Excav

2 loads

1-Cat

Time Tally of Trucks

8 9 10 11 12 13

4 4 4 4 4 4 3 3

Spillway

2-Comp 10th noon

3-JH 1

1-10000r

2-Quarry

1-Powder Fort

1-Gon For 4

1-Nipper 4hrs

Spillway Floor

Fine grading

8 Muckers

1-Mc Millan

1-Nipper 4hrs

1-Foreman 4hrs (Bill)

1-Gon For 4

PM

5 Muckers 2pm 4 Muckers

1-Mc Millan 4

1-Comp

1-JH 2pm 2 1/2 H

1-JH 2pm

Dump in east & East

113 Fri. Nov-10-1933 6⁴⁵ am Clear-cool-41.100
7am to 4pm

Spillway
5#8 Ektis 5+20 stripping 950 500 G
8¹⁵ down 1'4

3#9 Ektis 5+40 4 spinway
8

DL#6 720 3+50 Fine grade 1 Tr
9am to concrete 2

DL#10 9am 720 3+75 Fine grade 1 Tr
6

1 Cat
Timber 7am 730 8 9 10 11 1pm 2 3
Tally of Trucks 6 6 6 5 5 5 4 4 3 3

Spillway PM
1-Comp 1
2-JH 2
1-Loader 0 hrs
2-Quarry 1-8
1-Powder 1-3
1-Cor Fer 1
McMillan 2hd

Grade Floor
1-Comp
1-JH
8 Muckers
1 Mopet 4hr
1 Foreman 4hr
1- Tile Trench 2hr
9am 1 comp 2 JH 4m
1 pm
1-comp
2-JH
4 muckers 3pm 5
1-Comp 5H 8 1 JH 3
1-
1 mucker 8-1 1/2 hr
4 @ 2hr

Dump west

50% good rock to waste

SPILLWAY ROLL
UPPER Emb Lower Emb

Shvl	TRK	TRK	yds	Shvl	TRK	TRK	yds
9	26	730	4	8	6	740	45
9	9	745	4				
9	9	808	3 1/2				
9	9	8 ⁴⁵	4 1/2				
9	23	944	4 1/2				
9	9	11 ²³	4 1/2				
			25				
			71				
			25				
			175				
			19.75				
			18 yds				

Solid 3 1/2 loads
stripping
7 loads

Notes:
Quarry rock to
Lower Emb 75
DL#10 south
end upper Emb
men checking
pipe bents south
east corner of
dam #10 hand-
ling timbers
hauling rock
from spillway to
upper Emb and
rock from strip
1129 to lower
Embankment

115 Monday Nov-13-1939
7am to 4pm

6:30 am Clear-C

am 50% good rock to waste
pm 50% good rock to waste

Spillway
549 El. 715 5+60 20'50 & spill
1230 710 6+00

DL# 101F El. 720 4+25 25' No. 06 Grading 1000
8am cut to lower embankment handling
Hyd. Pipe
1230 El. 720 4+50 25' No. 06 Grading
1-TR
DL# 6 8am El. 720 4+25 25' No. 06 Grading 1000
1-TRK

McCulligan 2 hrs

1-Cat
Time card 7am 2 9 10 11 1 2 3
Tally of Trucks 4 4 4 4 4 4 4 4

Spillway Grading Floor
1-Comp 1/2 time
2-JH 1-5H
1-Comp 1hr 8 MULDERS - 9am 6
2-JH 1hr 1-Nipper 4hrs
1-Dumpman 4hrs 1-Foreman 4hrs
2-Quarry
1-Powder Foreman
1-Geo. Foreman 1/2
1-Dumpman 6 hrs

Damp west

Spillway rock
upper Embk

Time	Time	Yds
9 15	705	4
9 5	702	4
9 23	718	5
9 15	722	4 1/2
9 5	725	4
9 23	753	4
9 5	815	5 1/2
9 23	823	5
9 5	215	4 1/2
9 15	212	4
9 15	315	5
9 15	327	5
9 23	340	4 1/2
9 5	343	5
9 15	349	5
9 23	353	4 1/2

16 loads

735
71
735
5145
52185
527ds

Notes. No
Quarry rock
today

117 Tue Nov. 14 - 1933 6^{am} - clear weather
7am to 4pm
Spillway

DL#6 El 720 Sta 4+00 & spillway with
5 skips handling Excav material from
flow grading operations 1 tr.
9:15 a.m. to concrete
10:30 am to Floor Grading
12:30 same

349 El. 715 Sta 5+60 20' 50" & spillway
digging vestward 3 tr
8 a.m. 715 Sta 60 30' No. 50 Top
10:15 along South Top 5+20 to 6+20
12:30 710 Sta 5+80 & spillway

DL#10 El 745 75' SW Sta 4+50 of the
d.e. Section stripping NE 1/4
dam rock fill area - 2 tr
Excavated Earth is being dumped
into Hog Box dam Sta 3+50
9:45 am replaces #6 grading operations
10:30 am to concrete
12:30 same 1:45 pm out to borrow material
for dam Sta 3+50 spillway

1-Cat

McMillan scraper driver acting
as dump man part time 7:30 5^{1/2} sp
3^{1/2} strip

Time out 7am 8 9 10 11 1 2 3
No. of
Treads 6 6 6-4 4 7 6 6

Dump vest - Hog box dam -

11-14-33 Continued 40% good rock
to waste
⑤: surface rock

Spillway rock
Upper Emb

Shvl	Tr	Time	Yds	Shvl	Tr	Time	Yds
9	23	7:04	3 1/2	8	6	2:36	7
9	15	7:44	5	8	31	2:53	4
9	5	7:23	3 1/2	9	15	2:53	4
9	23	7:27	5 1/2	9	23	2:56	4 1/2
9	15	8:23	6	8	6	3:08	4 1/2
9	23	8:20	4 1/2	9	23	3:10	4 1/2
9	15	8:40	4 1/2	9	15	3:13	5
9	9	8:47	5 1/2	8	31	3:15	5 ⑤
9	23	8:51	5 1/2	8	33	3:20	5 1/2
9	23	9:17	5	8	6	3:25	4 ⑤
9	15	9:26	4 1/2	9	23	3:24	4
9	23	9:40	5				
9	9	10:50	5				
9	15	10:50	5				
9	23	11:04	5 1/2				
9	9	11:07	4 1/2				
9	15	11:14	5 1/2				
9	23	11:16	5				
9	31	12:33	4 ⑤				
8	6	12:34	5 ⑤				
9	5	12:44	5 1/2				
8	31	12:40	3 1/2 ⑤				
9	15	1:12	4 1/2				
9	5	1:13	4 1/2				
8	6	1:23	5				
9	15	1:21	4 1/2				
8	33	1:23	4				
8	6	1:43	4 1/2 ⑤				
8	33	1:48	4 1/2 ⑤				
9	15	1:49	5 1/2				
8	6	2:32	5 1/2				
8	31	2:15	4 1/2				
9	15	2:35	5				

45 loads

141
30
111

305
71

305

21,655

22 yds surface

30 yds

5 yds strip

131

40

39

2

212

71

212

1484

1484 (141 yds)

Tue
11-14-33. Continued

Drilling - Slapwing - Labor crews

Spillway proper Sta 6120 El. 710 to 750

1-Compressor - 2 Drillers

2-Quarrymen - 1 Parallel Foreman

1-Gen Foreman

12⁰⁰ same crew. Drilling

Station 5180.30 No. of South
Toe El. 715

Grading Spillway Floor

1-Compressor this 1 Drillers

7 MUCKERS 1 Nipper HRS

8am 6 MUCKERS - 2 MUCKERS on tile ditch &

9am 5 MUCKERS

1pm 7 MUCKERS 12H 1/2 Camp

2 MUCKERS on tile ditch & 2 45 pm

only 1-3 15 pm

11-14-33 - Continued

Notes

No Quarry rock being hauled

this a.m.

1-Track grading

3 . . . Spillway Excav } a.m.

3 . . . Stripping pm }

1 Track Grading

2 . . . Spillway Excav } p.m.

1 . . .

3 . . . Stripping

Stripping N.E. Abutment Rock area

5# @ El. 745 75' SW 06 Sta 4+50

11:50 am 3 Tr. pm

12⁰⁰ same

121 Wed Nov 15-1933

7am to 4pm

Spillway

DL#6 El. 720 Sta 4+40 & spill grading

1 Tr 8:00 to concrete

12:30 Grading Spillway Floor 1-Tr

5#8 El. 720 Sta 4+50 40' No. 06 Grading

1 Tr 11:00 out to south and upper Emb

3#5 Starts stripping SE. abutment 3Tr

5#9 El. 710 Sta 4+80 20' 50' & spill. spill. Excav

2 Tr 8:30 am to Floor Grading

12:30 pm 690 NE. Corner of Cave pool

2 Tr loading nodules from stripping

+1 Tr 2:30 3:45 pm out to

DL#10 El. 745 75' SW. Sta 4+50 of the 0.2300

1-Tr stripping Hyd. Fill area. El. 700 to El. 745

12:00 Same 2 Tr

2:30 out to upper Emb to handle Hyd. pp

1-Cat

Truck 2 7:30 8 8:15 8:30 9:10 11 12 3 3:30

Tally 5 6 6 7 5 5 5 5 4 4 4 5

Dump west of Hog box dam

1-Dumpman

11-15-33 Continued

25% gold rock to waste

Spillway ROCK

Upper Emb

Spill TRK time yds

9 15 724 4

9 9 727 4 1/2

9 15 733 5

9 23 739 4

9 15 743 4

9 23 748 4

9 15 755 4

9 23 826 4 1/2

9 15 807 4

9 23 816 6 1/2

9 15 829 6

10 5 10:55 4 5/8

9 5 130 4

9 5 757 3 5/8

9 5 216 4 1/2

9 17 224 5 5/8

9 17 245 3 1/2

9 17 300 2 1/2

9 23 340 2

Spillway 565

91

565

3955

4911 5 yds spill

24

71

24

168

1704 STRIP

20 loads

123

11-15-33 Continued

Drilling Slabbing - Labor Crews

1-Comp E1715 started

2-Drillers

2-Quarrymen

1-Powder Foreman

No spillway work in pm

Shortage of Compressors

Grading Spillway Flood

1-Comp

2 Driller 1 Hammer 4 Ho

5 MUCKERS

1 Foreman 4 Ho 8 H

3

cleaning up

8am 7 MUCKERS 1 cleaning floor

8³⁰am 6 MUCKERS 1 Tileditch x 90°

9am 6 MUCKERS

11am 7 MUCKERS

PM

1-Comp 1/2 1 Driller

10 MUCKERS - 1 Powder Fore

13

2 pm

11-15-33 Continued

Notes

No quarry rock

Facing NE 1/4 of dam

125 Thu Nov 16-1983

7am to 4pm

6:50 am High Fog - Cont

Spillway Proper: Drilling: sloping

- 1- Compressor
- 2- Drillers
- 1- Quarryman
- 1- Powder Foreman
- 1- Gun Foreman 4hrs
- 1- Cat

pin same

Notes:

DL#10 removing transformers NE
Corner Carepool EL710

No Quarry rock

Crew facing NE 1/4 upper Emb

1 Truck Hauling timbers from DL#10
to sta 3760 O.G. gate to

7:45 am Bulldozer snaking transformers
to 8:20 am etc from DL#10 to sta 3760 O.G.

8:45 am Waste from #86#10 going to
O.G. backfill sta 3780 - west

10:45 am. part of waste from #86#10
dumped into spillway over O.G.
at sta. 1750

12:30 pm 2 men sweeping spillway floor
in hog box area

Back to Embankments

Notes Continued

1:30 pm DL#6 moves
to handle equip
at hog box dam
2:30 pm DL#6 back to
Grading

127

11-16-33 Continued

Fine Grading Floor

1- Compressor 4hrs
 1- Jackhammer 1 Nipper 4hrs
 6- Muckers
 4- preparing for concrete
 1- Foreman 4hrs (Bill)

DL#6 El. 720 sta 4+50 & spill No oiler

1 Tr. am - 1 1/2 pm

8³⁰ am #6 to Concrete - Muckers loading Tr.8³⁰ am 5 muckers10³⁰ am 3 muckers - 2 to dam const12³⁰ pm 2 muckers

1 pm DL#6 El 720 sta 5+00 & Spill over Out

1 pm 2 muckers

DL#6 Handle Muck 2³⁰ pm

2 pm 3 muckers

2 pm 1 . . . Cutoff trench 5+10

3 pm 4 muckers

1- Comp - 2 JH

Tally of	7am	8	9	10	11	1pm	2	3
Truck	1	1	1	1	1	1	1	1

Dump west

11-16-33 Continued

stripping SE abut. Rock area

DL#8

3 Trucks

10 muckers Dump 1:50:50 East of

sta 4+48.0 a section

1:50 am to Hydfill area

12³⁰ same

DL#10 El. 700 Hydfill area NE abut

8:30 am 1- Tr. dump same as #8

12³⁰ samerepair 1 pm 1:50:00 2³⁰ pm

Tally of	7am	8	9	10	11	1pm	2	2 ³⁰	3
#8									
Trucks	3	3	3	3	3	3	4	3	3
Tally of	8am	9	10	10	1pm	2	2 ³⁰	3	
#10									
Trucks	1	1	1	1	1	0	1	1	

129 Fri. Nov-17-1933

6:50 am Cool - Fog

7 am to 4 pm

Spillway proper

1 Compressor

2 DRIVERS

1 Quarryman

Foreman +

Drilling on south slope El. 720 to El. 750

1 PM Same

2:30 pm

5#8 El. 720 Sta 520 South toe 271

1 Cat

Notes: 5 man - 2 cats facing NE

No Quarry rock today

Tally of 23 3

Trucks 2 2

11-17-33

4. Hyd El. 1119

5. surface rock

These unmarked are from spillway

Rock to Embankments

Upper Emb.

Inch	In	Time	Yds
8	6	10 ⁰⁴	4 1/2 H
8	17	10 ¹¹	5 H
8	5	10 ⁴²	4 1/2 H
8	6	11 ⁰⁹	4 1/2 H
8	5	11 ¹⁴	4 1/2 H
8	17	12 ³⁰	3 1/2 H
8	17	12 ⁴²	6 1/2 H
8	17	1 ⁰³	4 H
8	5	1 ¹⁴	5 3/4 H
8	17	1 ¹⁸	5 1/2 H

10 loads

47.5

71

47.5

3325

33725

6

39 yds

This to be reported
by Van

11-17-33

131

Sta 4450 El 720
Fine Grading Spillway Flood

CL #6 El 720 Sta 5100 No. 0111

1 Comp 2 Drillers

7 Muckers

2 Cutoff Sta 5110

8 am

1 Cutoff - 8 Muckers

9 am 2 Cutoff 6 Muckers

9¹⁵ am #6 to concrete

9¹⁵ am 2 Cutoff 4 Muckers

9²⁵ am 5 Muckers

10³⁰ 2 Cutoff 4 Muckers - 1 driller 1 comp

1 pm 2 Drillers 1 Comp 3 Muckers + 3 Cutoff #10

2 pm 2 Drillers 1 Comp 5 Muckers + 2 Cutoff

2³⁰ #6 to Loading truck

El 720 Sta 3100 No. 516

3 pm

3³⁰ pm 1 Comp 1 driller 7 Muckers + 4 Cutoff

1 Nipper 4

Bill 4110

Tally of 2 2 9 9 10 11 1 2 2

Trucks 1 1 1 2 1 1 1 1

Dump waste Hog box dam

11-17-33

Stripping Abutments

SE about El 700 to 720

5³⁰ P.

10 am #8 to stripping NE Hydfill area

10²⁰ Corewall area

12²⁰ same

2³⁰ out to spillway

3³⁰ stop

4¹⁵ to concrete

1¹⁵ to spillway

NE about El 680 to 700

4¹⁵ P.

2 Muckers

4³⁰ Handling Hyd pipe

10 am #10 out to dump SE of 06 for

material for hog box dam 2 trucks

Muckers continue work

Tally of 2 2 9 10 11 1 2

Trucks 1 1 1 2 1 1 1

Tally of 2 2 9 10 11 1 2 3

Trucks 1 1 1 2 2 2 2

(Lower)

Dump Hog box dam SE of east end 06

1 Dumpman

135

11-18-33

Fine Grading Spillway Floor

Turn

3 Muckers Cutoff 5+10 1 Comp 1 Driller

8 am 2 muckers 1 Comp 1 Driller

Cutoff 3 Muckers 1 Comp 2 Drillers 1 Driller 1 Comp 1 Trk

9 am 3 muckers on Floor

Cutoff 3 Muckers 1 Comp 2 Drillers 1 Driller 1 Comp 1 Trk

10 am 7 muckers 1 Comp 2 Drillers

130 1 2

132 4 muckers regarding in addition to above
Carry separately from others out 2¹⁵

1 - Nipper 4 hrs

Truck 1¹⁵

Tally 1 out

11-18-33

Notes

PL #10 working Northend upper
Embankment on Hyd pipe

3 Muck 1 Comp 1 Driller pump Equip

2 Cats 5 Man facing upper Emb

9 am #10 out to Colerain Concrete

Stopping NE about

2 muckers - out 7³⁰ am back 8³⁰ am2 ... 7³⁰ am to 4 pm

137 Monday Nov 20-33 6^{am} Clear - Cold
7am to 4pm

Spillway prodn
5#8 El. 720 station sociopelint
12³⁰pm El. 710 6x50 # spillway

DL#10 West end of 3 trucks

12³⁰pm out

1. Cat
1. Comp
20. Vilers
1. Quarry man
1. Provider Foreman
1. Worker
1. Gen 4

Ham
540
1. Comp
1. Miller
Out hose

Tally of Jan 8 9 10 11 12 3
#8
Trucks 3 3 3 3 3 3 3

Tally of Jan 8 9 10 11
#6
Trucks 0 0 0 0 0 X

Dump West

11-20-33 5% good rock to waste
Rock to Embankments in am
15% good rock to waste pm

Spillway ROCK
Upper Emb Upper Emb

Shvl	TRK	TRK	Yds	Shvl	TRK	TRK	Yds
8	6	702	4 1/2	8	5	124	6
8	5	706	4 1/2	8	2	124 ⁴⁶	5 1/2
8	3	702	4 1/4	8	5	1254	5
8	6	717	6	8	6	1252	5 1/2
8	3	740	4 1/2	8	2	102	5 1/4
8	5	745	5 1/4	8	5	11	5
8	6	754	6	8	6	116	6
8	3	759	5	8	2	119	5
8	5	807	5	8	3	124	5
8	6	816	5	8	6	134	6
8	3	830	5	8	2	132	5 1/2
8	5	833	5	8	5	141	5
8	6	843	4 1/2	8	2	152	5 1/2
8	3	849	5 1/2	8	6	206	5
8	5	854	5	8	2	212	6 1/2
8	6	859	4 1/2	8	5	216	5 1/2
8	3	903	5	8	5	234	5
8	6	910	6	8	2	238	5 1/2
8	3	920	6	8	6	308	6
8	5	941	5	8	6	340	5 1/2
8	3	945	5 1/2				
8	6	952	5 1/2				1095
8	3	1002	5				
8	5	1007	5				
8	6	1014	5				
8	3	1021	6				
8	5	1025	5 1/2				
8	6	1032	5				
8	6	1044	5				
8	5	1048	5 1/2				
8	6	1130	5				
8	6	1232	6				

521095

109.5

166

275.5

71

275.5

1928.5

19560.5

196yds

139

11-20-33

Grading Spillway Floor

DL#6 E. 720 Start 4:00 6:30 No Top No Oil

12³⁰ Same #10 in 1 pm No Oil

Truck 3 Trucks 1 Comp 2 Drillers

12³⁰ pm 6 - 1 Comp 2 Drillers1³⁰ pm 7 - 1 - 2 - 1 Driller To pump2³⁰ 8 - 1 - 2 - 1 hour1 am #1 out to concrete
#10 inTotal of ~~8~~ 8 9 11 12 3
#6 @ 10m
Trucks 1 1 1 1 1 11 Foreman 4 Bill - 1 Gen Foreman 4HS
1 Nipper 4

11-20-33

Stripping NE abut

2 MUCKERS -

10 am to help etc

1³⁰ pm backNotes: No Quarry rock
1 cat 5 men facing upper Emb
10³⁰ am excavator to lower Emb

141 Tue Nov-21-33

7am to 4pm

Spillway prepared

5#8 E1720 515+26 50 TOL

9am to E1720 7+00 50 TOL

12:30pm E1705 6+80 40 No. 5 TOL

DL #6 No Oiler

130 OG. 3 MUCKS

Bulldozer in 8:25am out 9:25

1 Cat

1 Comp

2 JH

1 Quarry

1 Powder Fore

1 Gen For 4

Tally of 7am 2 8:30 2 10 11 1 3

Trucks 2 2 3 3 3 3 3

Dump west

11-21-33

10% good rock for waste

Spillway Rock

Upper Emb

Lower Emb

Shvl	TRK	Time	yds	shvl	TRK	Time	yds
8	2	9:29	5 1/2	8	2	9:30	4
8	6	9:44	4 1/2	8	6	9:30	5 1/2
8	17	9:49	5	8	2	9:39	4 1/2
8	17	9:45	5	8	6	10:00	4
8	2	9:53	4 1/2	8	6	11:05	4 1/2
8	17	10:09	5 1/2	8	2	12:41	4 1/2
8	2	10:21	4 1/2	8	6	12:48	6
8	6	10:44	5 1/2	8	17	12:49	4 1/2
8	2	10:48	4	8	6	12:55	5
8	2	11:15	5	8	2	12:58	4
8	17	11:22	4 1/2	8	17	1:01	5
8	6	1:02	6	8	17	1:13	5
8	17	2:33	5	8	2	1:28	4
8	6	2:40	4 1/2	8	2	1:53	4 1/2
8	6	2:57	6	8	6	2:19	4 1/2
				8	2	2:28	4 1/2
				8	2	2:44	4 1/2
				8	17	3:03	5 1/2
				8	6	3:16	5
				8	6	3:22	5 1/2

94.5

71

94.5

66.5

67.095

35 loads

149

11-21-33

Time	Excavation	2 Drills	1 Comp	1 Nipper
7am	6	2	1	1
8am	5	3	2	1
9am	6	3	2	1
9:30am	4	3	2	1
10am	4	3	2	1
11am	4	2	1	1
1pm	6	0	0	1
2:30pm	5	0	0	1
3pm	5	0	0	0
3:30	8	0	0	0

Nipper 4

Nipper
Mucker
3 hrs

Foreman-Bill 4

Provider Foreman

DL#10 El. 720 Sta 406 & spill

Total of 7am 8 9 10 11 12

Trucks 1 1 1 1 1 1

Dumped

11-21-33

Shipping NE abutment El. 685 to 730

3 TRUCKS ✓

Notes No Quarry rock

Clear facing lower Embankment face
5 Men - 1 Cot

145 Wed. Nov 22-33 6:45 am clear warm
7 am to 9 pm windy

Sprinkway Repair

3#8 E1715 Sta 5130 50709

12:30 E1720 7100 SK camp & sprinkway

3:30 E1710 6+80 30. No. 30700

1 cat

1 Camp

2 JH

1 NIP 1/4

1 Quarry

1 Pom for

1 Gen 4

Tally of tau 8 9 10 11 12 3

Trucks 3 3 3 3 3 3 3

Dump west

No dumpman

11-22-33

Route to embankments

15% waste

Upper Emb Lower Emb

Shvl	TR	TR	Yds	shvl	TR	TR	Yds
8	6	1240	4 1/2	8	17	1245	4
8	5	1248	4 1/2	8	6	1255	5
8	17	135	5	8	17	1259	5
8	6	205	6	8	5	103	4 1/2
8	17	232	5 1/2	8	6	107	5
8	5	241	4 1/2	8	5	114	4 1/2
8	5	302	5 1/2	8	17	120	4
8	6	315	5 1/2	8	6	141	5 1/2
8	5	320	6	8	17	149	6
		47		8	5	154	5 1/2
		71		8	17	223	5 1/2
		47		8	17	322	5
		329		8	6	335	5
		337		8	5	340	4
				8	17	342	5 1/2
				8	6	351	5 1/2

495
71
795
5565
5244

25 loads

147

11-22-33

Grading Spillway Floor 5400 N.E.

7am	6	Muckers	
8am	6	" "	
9am	6	" "	
10am	6	" "	
11am	7	" "	
1130am	7	" "	
12 ³⁰ pm	5	" "	
1pm	4	" "	
1 ³⁰ pm	5	" "	
2pm	6	" "	
2 ³⁰ pm	5	1 Driller	1/2 comp
3pm	5	1 " "	1/2 comp
3 ¹⁵ pm	7	1 " "	3/4 comp

DL #10 E1920 5410
12³⁰ sample

1-Foreman 4 B 11)

Tally of Law 8 9 10 11 1 2 3

TRUCKS 1 1 1 1 1 1 1

11-22-33

Strip NE about 625 to 700

7am
2 MUCKERS ✓

Notes

Facing lower Emb-Gmas 1 cat
Man with injured head leaves job 3³⁰

Earth Movement Measurements

Points between boulders on crest
of hill North abutment spillway

Total distance $66.2\frac{7}{8}$ " From hook in wire to
North point $39.8\frac{7}{8}$ " wire $26.5\frac{1}{2}$ " total $66.2\frac{7}{8}$ "

9-26-33 39.8 $\frac{7}{8}$ "

9-27-33 39.89"

9-28-33 39.9"

9-29-33 39.9"

9-30-33 39.9"

10-2-33 39.9

10-3-33 39.9

39.9

10-4-33 39.75

10-5-33 39.45

10-6-33 39.76

10-7-33 39.76

10-9-33 39.76 + 26.5

66.19

10-10-33 39.77

10-11-33 66.19

10-12-33 39.86

66.19

Point 30.02 4
10-5-33 39.06
10-6-33 39.02
10-7-33 39.02

10-11-33 15001 #3 up hill 30.02

10-12-33 39.52 39.06

39.76
26.43
66.19

151

Constant .02 unless otherwise noted

C=26.431

Date and

Time

12:20 PM

	#1	+ #2	+ #3	+ #4	+ #5	+ #6	+ #7	#8									
10-21-33	4.12	0	5.08	0	6.03	0	4.005	0	4.00	0	5.00	0	6.16	0	66.21	0	39.78

12:25 PM

11-1-33	4.12	0	5.08	0	6.03	0	4.005	0	4.00	0	5.00	0	6.16	0	66.21	0	39.78
---------	------	---	------	---	------	---	-------	---	------	---	------	---	------	---	-------	---	-------

12:55 PM

11-2-33	4.12	0	5.08	0	6.03	0	4.005	0	4.00	0	5.00	0	6.16	0	66.21	0	39.78
---------	------	---	------	---	------	---	-------	---	------	---	------	---	------	---	-------	---	-------

11 am

11-3-33	4.12	0	5.08	0	6.03	0	4.005	0	4.00	0	5.00	0	6.16	0	66.21	0	39.78
---------	------	---	------	---	------	---	-------	---	------	---	------	---	------	---	-------	---	-------

6:30 am

11-4-33	4.12	0	5.08	0	6.03	0	4.005	0	4.00	0	5.00	0	6.16	0	66.23	0.02	39.80
---------	------	---	------	---	------	---	-------	---	------	---	------	---	------	---	-------	------	-------

6:30 am

11-6-33	4.12	0	5.08	0	6.03	0	4.005	0	4.00	0	5.00	0	6.16	0	66.23	0	39.80
---------	------	---	------	---	------	---	-------	---	------	---	------	---	------	---	-------	---	-------

8:15 am

11-7-33	4.12	0	5.08	0	6.03	0	4.005	0	4.00	0	5.00	0	6.16	0	66.23	0	39.80
---------	------	---	------	---	------	---	-------	---	------	---	------	---	------	---	-------	---	-------

6:45 am

11-8-33	4.12	0	5.08	0	6.03	0	4.005	0	4.00	0	5.00	0	6.16	0	66.23	0	39.80
---------	------	---	------	---	------	---	-------	---	------	---	------	---	------	---	-------	---	-------

7:45 am

11-9-33	4.12	0	5.08	0	6.03	0	4.005	0	4.00	0	5.00	0	6.16	0	66.23	0	39.80
---------	------	---	------	---	------	---	-------	---	------	---	------	---	------	---	-------	---	-------

7 am

11-10-33	4.12	0	5.08	0	6.03	0	4.005	0	4.00	0	5.00	0	6.16	0	66.23	0	39.80
----------	------	---	------	---	------	---	-------	---	------	---	------	---	------	---	-------	---	-------

3 pm

11-13-33	4.13	0	5.09	0	6.03	0	4.005	0	4.00	0	5.00	0	6.18	0.02	66.23	0	39.80
----------	------	---	------	---	------	---	-------	---	------	---	------	---	------	------	-------	---	-------

6:30 am

11-14-33	4.13	0	5.09	0	6.03	0	4.005	0	4.00	0	5.00	0	6.18	0	66.23	0	39.80
----------	------	---	------	---	------	---	-------	---	------	---	------	---	------	---	-------	---	-------

9 am

11-15-33	4.13	0	5.09	0	6.03	0	4.005	0	4.00	0	5.00	0	6.18	0	66.23	0	39.80
----------	------	---	------	---	------	---	-------	---	------	---	------	---	------	---	-------	---	-------

8:45 am

11-16-33	4.13	0	5.09	0	6.03	0	4.005	0	4.00	0	5.00	0	6.18	0	66.23	0	39.80
----------	------	---	------	---	------	---	-------	---	------	---	------	---	------	---	-------	---	-------

8:45 am

11-17-33	4.13	0	5.09	0	6.03	0	4.005	0	4.00	0	5.00	0	6.18	0	66.23	0	39.80
----------	------	---	------	---	------	---	-------	---	------	---	------	---	------	---	-------	---	-------

6:50 am

11-18-33	4.13	0	5.09	0	6.03	0	4.005	0	4.00	0	5.00	0	6.18	0	66.23	0	39.80
----------	------	---	------	---	------	---	-------	---	------	---	------	---	------	---	-------	---	-------

11-20-33	4.13	0	5.09	0	6.03	0	4.005	0	4.00	0	5.00	0	6.18	0	66.23	0	39.80
----------	------	---	------	---	------	---	-------	---	------	---	------	---	------	---	-------	---	-------

7:20 am

11-21-33	4.13	0	5.09	0	6.03	0	4.005	0	4.00	0	5.00	0	6.18	0	66.23	0	39.80
----------	------	---	------	---	------	---	-------	---	------	---	------	---	------	---	-------	---	-------

8 am

11-22-33	4.13	0	5.09	0	6.03	0	4.005	0	4.00	0	5.00	0	6.18	0	66.23	0	39.80
----------	------	---	------	---	------	---	-------	---	------	---	------	---	------	---	-------	---	-------

155 Measurements on Slide

Date	Time	Point # 1	Change	Point # 2	Change	Point # 3	Change	Point # 4	Change	Point # 5	Change	Point # 6	Change	Point # 7	Change
9-18-33	7:45 am	48 1/16	+1/8	60 1/16	+1/8	72"	0	47 7/16	0	48"	0	60"	0	74"	0
9-19-33	6:40 am	48 1/8	+1/16	60 2/16	+0	72 1/16	+1/16	48"	+1/16	48"	0	60"	0	74"	0
9-20-33	6:2 am	48 3/16	+1/16	60 1/16	+0	72 1/16	+0	48	+0	48	0	60"	0	74"	0
9-21-33	6:27 am	48 7/16	0	60 1/8	+1/16	72 1/16	0	48	0	48	0	60"	0	74"	0
9-22-33	5:55 am	48 3/16	0	60 1/8	+1/16	72 1/16	0	48	0	48	0	60"	0	74 1/8	+1/8
9-23-33	5:50 am	48 7/16	+1/16	60 1/4	+1/8	72 1/16	0	48	0	48	0	60"	0	74 1/4	+1/4
	Tape	48 1/16	0	60 1/2	0	72 3/8	0	48 3/16	0	48 3/16	0	60"	0	74 1/8	0
9-25-33	6:25 am	48 1/16	0	60 1/4	0	72 1/16	0	48 1/16	+1/16	48	0	60"	0	74 1/4	0
		- 1/16		+ 1/16											
9-26-33	5:30 am	48 3/4	+1/16	60 1/2	0	72 3/8	0	48 3/16	0	48 3/16	0	60"	0	74 3/8	0
9-27-33	6 am	48 7/4	0	60 1/2	0	72 3/8	0	48 3/16	0	48 3/16	0	60"	0	74 1/2	+1/8
9-28-33	5:45 am	48 7/4	0	60 1/2	0	72 3/8	0	48 3/16	0	48 3/16	0	60"	0	74 1/2	0
9-29-33	5:50 am	48 7/16	+1/16	60 3/16	+1/16	72 7/8	0	48 1/4	+1/16	48 3/16	0	60"	0	74 1/2	0
9-30-33	6:00	48 7/8	+1/16	60 5/8	+1/16	72 7/16	+1/16	48 1/4	0	48 3/16	0	60"	0	74 1/2	0
10-2-33	6:15 am	48 11/16	+1/16	60 5/8	0	72 7/16	0	48 1/4	0	48 3/16	0	60"	0	74 1/2	0
10-3-33	6:30 am	48 15/16	0	60 5/8	0	72 7/16	0	48 1/4	0	48 3/16	0	60"	0	74 1/2	0
	Old Tape	48 7/16	0	60 3/4	+1/8	72 7/16	0	48 1/4	0	48 3/16	0	60"	0	74 1/2	0
10-4-33	6:20 am	4.075	0	5.06	0	6.04	0	4.02	0	4.045	0	5.0	0	6.21	0
10-5-33	6:30 am	4.08	+0.05	5.07	+0.01	6.04	0	4.02	0	4.045	0	5.0	0	6.21	0
10-6-33	6:30 am	4.085	+0.05	5.07	0	6.04	0	4.02	0	4.045	0	5.0	0	6.21	0
10-7-33	7 am	4.09	+0.05	5.075	+0.05	6.04	0	4.02	0	4.045	0	5.0	0	6.21	0
10-9-33	7 am	4.10	+0.05	5.08	+0.05	6.04	0	4.025	0	4.05	0	5.00	0	6.17	0
		(4.05)		(5.08)		(6.0)		(4.025)		4.05		5.02		6.19	

REMARKS
 3/8" crack 7:50 - 48. VURS
 E-W - 1500' W of 48
 #6 - old #7
 Dont report old points (vurs)

35 more cracks south of #1

9-25 Cracks south of #1 are open. 19. 3 cracks south of #3. New crack 50' south of #4

10-2-33 In the old crack south of #3. last year point and top of slope. South of #4 there are 7 cracks all to the slope all of them are cut by N-S. cracks

Tunnel - Count off Tank Saper

1 Road 105ax Nov 618.17

Wall

1074 m y 6 cm

FORVON syak. 1340 paul

water variable 1250 1/2 m y

No bags Cem 1030 8/4 m y

Batch E 618.17

Cement Paint Coverwall



12' long

Time small

95

54

140

145

474

288

494

59280

Flow 620 Tower Gate valve 6"

Sec 600 canv Nov 618.17

Time

Load Truck

on core wall

Tower

Tunnel

Equip Tunnel

Labo spillway Form

Coverwall excav 6' 6" out

#2

11.5 x 12 x 6.9

52 x 95 x 12 = 59280 / 27

669 to 672 - 321 wlf

St bahn 23 m y

60
2.4
36
14
184
48
6

Road 745

Spot 780

Coverwall Tower
3 Test Cyl each week

22. 800.
38 456
27 291

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

ROADWAY 14 FEET WIDE. SIDE SLOPES 1 1/2 TO 1.

FOR SINGLE TRACK EMBANKMENT.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	7.0	7.2	7.3	7.5	7.6	7.8	7.9	8.1	8.2	8.4	0
1	8.5	8.7	8.8	9.0	9.1	9.3	9.4	9.6	9.7	9.9	1
2	10.0	10.2	10.3	10.5	10.6	10.8	10.9	11.1	11.2	11.4	2
3	11.5	11.7	11.8	12.0	12.1	12.3	12.4	12.6	12.7	12.9	3
4	13.0	13.2	13.3	13.5	13.6	13.8	13.9	14.1	14.2	14.4	4
5	14.5	14.7	14.8	15.0	15.1	15.3	15.4	15.6	15.7	15.9	5
6	16.0	16.2	16.3	16.5	16.6	16.8	16.9	17.1	17.2	17.4	6
7	17.5	17.7	17.8	18.0	18.1	18.3	18.4	18.6	18.7	18.9	7
8	19.0	19.2	19.3	19.5	19.6	19.8	19.9	20.1	20.2	20.4	8
9	20.5	20.7	20.8	21.0	21.1	21.3	21.4	21.6	21.7	21.9	9
10	22.0	22.2	22.3	22.5	22.6	22.8	22.9	23.1	23.2	23.4	10
11	23.5	23.7	23.8	24.0	24.1	24.3	24.4	24.6	24.7	24.9	11
12	25.0	25.2	25.3	25.5	25.6	25.8	25.9	26.1	26.2	26.4	12
13	26.5	26.7	26.8	27.0	27.1	27.3	27.4	27.6	27.7	27.9	13
14	28.0	28.2	28.3	28.5	28.6	28.8	28.9	29.1	29.2	29.4	14
15	29.5	29.7	29.8	30.0	30.1	30.3	30.4	30.6	30.7	30.9	15
16	31.0	31.2	31.3	31.5	31.6	31.8	31.9	32.1	32.2	32.4	16
17	32.5	32.7	32.8	33.0	33.1	33.3	33.4	33.6	33.7	33.9	17
18	34.0	34.2	34.3	34.5	34.6	34.8	34.9	35.1	35.2	35.4	18
19	35.5	35.7	35.8	36.0	36.1	36.3	36.4	36.6	36.7	36.9	19
20	37.0	37.2	37.3	37.5	37.6	37.8	37.9	38.1	38.2	38.4	20
21	38.5	38.7	38.8	39.0	39.1	39.3	39.4	39.6	39.7	39.9	21
22	40.0	40.2	40.3	40.5	40.6	40.8	40.9	41.1	41.2	41.4	22
23	41.5	41.7	41.8	42.0	42.1	42.3	42.4	42.6	42.7	42.9	23
24	43.0	43.2	43.3	43.5	43.6	43.8	43.9	44.1	44.2	44.4	24
25	44.5	44.7	44.8	45.0	45.1	45.3	45.4	45.6	45.7	45.9	25
26	46.0	46.2	46.3	46.5	46.6	46.8	46.9	47.1	47.2	47.4	26
27	47.5	47.7	47.8	48.0	48.1	48.3	48.4	48.6	48.7	48.9	27
28	49.0	49.2	49.3	49.5	49.6	49.8	49.9	50.1	50.2	50.4	28
29	50.5	50.7	50.8	51.0	51.1	51.3	51.4	51.6	51.7	51.9	29
30	52.0	52.2	52.3	52.5	52.6	52.8	52.9	53.1	53.2	53.4	30
31	53.5	53.7	53.8	54.0	54.1	54.3	54.4	54.6	54.7	54.9	31
32	55.0	55.2	55.3	55.5	55.6	55.8	55.9	56.1	56.2	56.4	32
33	56.5	56.7	56.8	57.0	57.1	57.3	57.4	57.6	57.7	57.9	33
34	58.0	58.2	58.3	58.5	58.6	58.8	58.9	59.1	59.2	59.4	34
35	59.5	59.7	59.8	60.0	60.1	60.3	60.4	60.6	60.7	60.9	35
36	61.0	61.2	61.3	61.5	61.6	61.8	61.9	62.1	62.2	62.4	36

Calculated by Julien A. Hall, M. Am. Soc. C. E.

MADE IN GERMANY.