Group 26 - Hauling Reports 116

2960 60000323

HUGHES TOOL CO. 116
MINING PAPERS
GROUP 26, MANHATTAN - HAULING REPORTS

HP-55 Program Form

Haulage
6000 0323 (2960)

Title Program for Haulage Report/Loads to Tons & Average Grade Page 1 of 1

Press BST in RUN mode, switch to PRGM mode. Then key in the program.

DISPLAY LINE	DISPLAY CODE	KEY ENTRY	X	Y	Z	T	COMMENTS
00.							
01.	34	RCL					sto- 0
02.	00	0					in all registers
03.	44	RCL					to begin
04.	01	1					
05.	71	X					
06.	84	R/S					#1 Tons Today
07.	33	sto					
08.	02	2					
09.	34	RCL					
10.	07	7					
11.	61	+					
12.	84	R/S					#2 Tons To Date
13.	33	sto					
14.	07	7					
15.	34	RCL					
16.	02	2					
17.	34	RCL					
18.	03	3					
19.	71	X					
20.	33	sto					
21.	04	4					
22.	84	R/S					#3 Oz. Today
23.	33	sto					
24.	05	5					
25.	34	RCL					
26.	06	6					
27.	61	+					
28.	33	sto					
29.	06	6					
30.	84	R/S					#4 Oz. To Date
31.	34	RCL					
32.	07	7					
33.	81	÷					
34.	84	R/S					#5 Average Grade
35.							To Date
36.							
37.							
38.				Restore Load per day (#2 etc.)			
39.				and average grade for that date --			
40.				Bst and repeat			
41.							
42.							
43.							
44.							
45.							
46.							
47.							
48.							
49.							

REGISTERS	
R 0	~~Loads~~
R 1	~~Ton~~ per load
R 2	Mach sto
R 3	Average grade per day
R 4	Mach sto
R 5	Mach sto
R 6	Mach sto
R 7	Mach sto
R 8	
R 9	
R.0	
R.1	
R.2	
R.3	
R.4	
R.5	
R.6	
R.7	
R.8	
R.9	

HEWLETT hp PACKARD

9320-2940

Susie
6000 0323 (2960)

SUMMA CORPORATION-MINING DIVISION
SCREEN REPORT-HAULAGE TO HEAP NO. 3
For April 23 to June 5, 1975

Code	Load	Tons	Total to Date		Grade To Day	Oz. Au To Day	Total Au To Date	Grade To Date
			Loads	Tons				
S	125	1,875	125	1,875	.089	166.875	166.875	.0890
S	145	2,175	270	4,050	.066	143.550	310.425	.0766
S	174	2,610	444	6,660	.050	130.500	440.925	.0662
S	160	2,400	604	9,060	.043	103.200	544.125	.0601
S	134	2,010	738	11,070	.052	104.520	648.645	.0586
S	73	1,095	811	12,165	.061	66.795	715.440	.0588
S	6	90	817	12,255	.059	5.310	720,750	.0588
S	1	15	818	12,270	.059	.885	721,635	.0588
S	92	1,380	910	13,650	.064	88.32	809.955	.0593
S	20	300	930	13,950	.060	18.00	827.955	.0594
S	202	3,030	1,132	16,980	.048	145.440	973.395	.0573
S	158	2,370	1,290	19,350	.049	116.130	1089.525	.0563
S	42	630	1,332	19,980	.030	18.90	1108.425	.0555
S	81	1,215	1,413	21,195	.055	66.825	1175.250	.0554
S	62	930	1,475	22,125	.053	49.290	1224.54	.0553
S	145	2,175	1,620	24,300	.042	91.35	1315.89	.0542
S	70	1,050	1,690	25,350	.057	59.85	1375.74	.0543
S	128	1,920	1,818	27,270	.076	145.92	1521.66	.0558
S	140	2,100	1,958	29,370	.076	159.60	1681.26	.0572
S	140	2,100	2,098	31,470	.049	102.90	1784.16	.0567
S	132	1,980	2,230	33,450	.091	180.18	1964.34	.0587

Distribution: D. Gribbin
W. Boundy
W. Simmons
Tonopah File

Compiled by W. Boundy
September 22, 1975

6000 0323 (2960)

SUMMA CORPORATION-MINING DIVISION
HAULAGE REPORT - HEAP NO. 3
Big Pine Pit, Manhattan, Nevada
For April 23 to June 5, 1975

Code: S = Screen Pile
O = Ore from Big Pine

Code	1975	Truck 1-4 Summa Loader-15		Total to Date		Grade	oz. Au	Total oz. Au	Average Grade
		Loads	Tons	Loads	Tons	To day	To day	To date	To date
S	4- 23	125	1,875	125	1,875	.089	166.875	116.875	.0890
S		145	2,175	270	4,050	.066	143.550	310.425	.0766
S		174	2,610	444	6,660	.050	130.500	440.925	.0662
S		160	2,400	604	9,060	.043	103.200	544.125	.0601
S		134	2,010	738	11,070	.052	104.520	648.645	.0586
S		73	1,095	811	12,165	.061	66.795	715.440	.0588
O		55	825	866	12,990	.037	30.525	745.965	.0574
O		172	2,580	1,038	15,570	.067	172.860	918.825	.0590
O	5- 3	158	2,370	1,196	17,940	.060	142.200	1061.025	.0591
S	3	6	90	1,202	18,030	.059	5.310	1066.335	.0591
O	5	95	1,425	1,297	19,455	.060	85.500	1151.835	.0592
O	6	124	1,860	1,421	21,315	.052	96.720	1248.555	.0586
O	7	122	1,830	1,543	23,145	.058	106.140	1354.695	.0585
S	7	1	15	1,544	23,160	.059	0.885	1355.580	.0585
O	8	81	1,215	1,625	24,375	.061	74.115	1429.695	.0587
S	8	92	1,380	1,717	25,755	.064	88.320	1518.075	.0589
O	9	176	2,640	1,893	28,395	.086	227.040	1745.055	.0615
O	12	180	2,700	2,073	31,095	.081	218.200	1963.755	.0632
O	13	159	2,385	2,232	33,480	.152	362.520	2326.275	.0695
O	14	128	1,920	2,360	35,400	.141	270.720	2596.995	.0734
S	14	20	300	2,380	35,700	.060	18.000	2614.995	.0732
S	15	202	3,030	2,582	38,730	.048	145.440	2760.435	.0713
S	16	158	2,370	2,740	41,100	.049	116.130	2876.565	.0700
O	19	155	2,325	2,895	43,425	.062	144.150	3020.715	.0696
O	20	141	2,115	3,036	45,540	.104	219.960	3240.675	.0712
O	21	158	2,370	3,194	47,910	.141	334.170	3574.845	.0746
O	22	144	2,160	3,338	50,070	.110	237.600	3812.445	.0761
S	22	42	630	3,380	50,700	.030	18.900	3831.345	.0756
S	23	81	1,215	3,461	51,915	.055	66.825	3898.170	.0751
O	23	100	1,500	3,561	53,415	.105	157.500	4055.670	.0759
O	27	106	1,590	3,667	55,005	.065	103.350	4159.020	.0756
S	27	62	930	3,729	55,935	.053	49.29	4208.31	.0752
S	28	145	2,175	3,874	58,110	.042	91.35	4299.66	.0740
S	29	70	1,050	3,944	59,160	.057	59.850	4359.51	.0737
O	29	115	1,725	4,059	60,885	.169	291.525	4651.035	.0764
O	30	171	2,565	4,230	63,450	.085	218.025	4869.060	.0767
O	6- 2	24	360	4,254	63,810	.255	91.800	4960.860	.0777
S	2	128	1,920	4,382	65,730	.076	145.920	5106.780	.0777
S	3	140	2,100	4,522	67,830	.076	159.600	5266.38	.0776
S	4	140	2,100	4,662	69,930	.049	102.900	5369.280	.0768
S	5	132	1,980	4,794	71,910	.091	180.180	5549.46	.0772

Screen = 33,450 Tons
Oz. Screens = 1964.34
Average Grade = .0587

Ore = 38460.00 Tons
Oz. Ore = 3585.120
Average Ore = .0932

Distribution: D. Gribbin, W. Boundy
W. Simmons, Tonopah file

Compiled by W. Boundy
September 22, 1975

6000 0323 (7960)

GROUP 26 MANHATTAN HEAP NO. 4 JULY, 1975, TRUCK RECORD

RENTAL EQUIPMENT PARSONS CONSTRUCTION

Date		Trucks No. 1-4 Ore	Waste	Tails	Pond	Water Truck	Terex Loader
1		--	--	16	--	--	--
2		--	--	16	--	--	--
3		--	--	16	--	8	--
8		12	--	8	--	--	--
9		24	--	--	--	--	--
10		12	--	12	--	--	--
11		6	--	18	--	--	--
14		--	--	28	--	8	--
15		16.5	--	7.5	--	--	--
16		--	--	32	--	8	--
17		32	--	16	--	--	--
18		31.5	--	--	--	--	--
21		29	--	--	--	8	--
22		31	--	1	--	--	--
23		16	--	16	--	8	--
24		2	30	--	--	--	--
25		--	16	16	--	--	--
28		30.5	--	--	--	8	--
29		32	--	--	--	--	--
30		8	24	--	--	--	--
31		31.5	8	--	--	8	
TOTALS:	Hours:	314.0	78	202.5	--	56	--
	Cost:	$8,635	$2,145	$5,568.75		$525	$1,500 *

Notes: 1) 27,675 ton ore moved
2) Average per truck in July for ore: 88.14 tons

* Terex Loader is charged by the month and works with tailings

6000 0323 (2960)

GROUP 26 MANHATTAN HEAP NO. 4 EQUIPMENT RENTAL PARSONS CONSTRUCTION AUGUST, 1975

Aug. 1975	Trucks 1-4 @ $27.50/hr. Ore	Waste	Tails	Pond	Trucks 5-7 @ $40/hr. Ore	Waste	Tails	Pond	980 Loader @ $50/hr. Ore	Waste	Pond	D8H Cat @ $55/hr. Ore	Waste	Pond	Water Wagon @ $75/day	Backhoe @ $20/hr.
1	31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4	26	--	--	4.5	--	--	--	--	--	--	5	--	--	--	8	--
5	22.5	--	--	--	--	--	--	5	--	3	5	--	--	--	8	--
6	24	--	--	--	5.5	--	--	2	5.5	2.5	--	--	--	--	8	--
7	3	21	--	--	1	7	--	--	--	--	--	--	--	--	--	--
8	--	24	--	--	--	8	--	--	--	--	--	--	--	--	--	--
11	26.5	5.5	--	--	1.5	6.5	--	--	--	8	--	--	--	--	8	--
12	11.5	18.5	--	--	2.5	4	--	--	--	6.5	--	--	--	--	8	--
13	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	3
14	30.5	--	--	--	6.5	--	--	3	--	--	3	--	--	--	8	--
15	31	--	--	--	2	--	--	--	--	--	--	--	--	--	8	--
16	--	--	--	--	--	--	--	--	--	--	--	--	8	--	--	--
17	--	--	--	--	--	--	--	--	--	--	--	--	8	--	--	--
18	--	--	--	--	--	--	--	--	--	4	--	--	4	--	8	--
19	24	8	--	--	7	--	--	--	3.5	4	--	--	8	--	--	--
20	23.5	6	--	--	8	--	--	--	4	4	--	3	4	--	--	3
21	31.5	--	--	--	7.5	--	--	--	7.5	--	--	4	4	--	--	4
22	22.5	7	--	--	8	--	--	--	4	4	--	4	4	--	--	2
25	31.5	--	--	--	7.5	--	--	--	8	--	--	4	4	--	--	2
26	30.5	--	--	--	7	--	--	--	7.5	--	--	4	4	--	8	--
27	29	3	--	--	8	--	--	--	6.5	1.5	--	8	--		8	--
28	27	5	--	--	7.5	--	--	--	5	3	--	7.5	--	--	8	--
29	24	6.5	--	--	2	--	--	--	--	8	--	8	--	--	8	--
Total Hours:	449.5	104.5	--	4.5	81.5	25.5	--	10	51.5	49.5	13	42.5	48		12 days	14
Total Cost:	$12,361.25	$2,873.75		$123.75	$3,260	$1,020		$400	$2,575	$2,475	$650	$2,337.50	$2,640		$900	$280
Total Tons:	36,880	12,540			9,467	4,590										
Cost/ton:	$0.335	$0.23			$0.34	$0.22										

Conclusions:
1) To mine, haul ore, water roads, haul waste: $0.66/ton
2) Loader, trucks and Cat while in ore cost: $0.44/ton
3) Cost of trucks while in ore: $0.337/ton

Notes:
1) Average tonnage/hr. in ore @ truck: 87.28
2) Total tonnage of ore: 46,347
3) Total cost month of August: $31,896.25
4) Average cost per day: $ 1,458.92
5) Average cost per hour: $ 182.37

Compiled by W. Boundy 9/5/75

6000 0323 (2960)

GROUP 26 MANHATTAN HEAP NO. 4 APPROXIMATE COST SUMMA MINING -- AUGUST, 1975

Item:	Cat/w	Loader/w	Sampler	Fuel Men	Grader/w	Powder	Drilling	Supervisory	Sampling
Cost/Day:	$200	$200	$50	$50	$125	$1,500	$3,000	$2,000	$1,000

Per 22 days

($340/day)

$\frac{\$21,250 \text{ per month}}{48,000 \text{ ton}}$ = $0.44 per ton Summa
0.66 per ton Parsons
$1.10 per ton *

* $1.10 per ton cost includes mining, hauling and spreading ore on heap; also lab assays for mining

6000 0323 (2960)

GROUP 26 MANHATTAN HEAP NO. 4 PER TON RECORD ON ORE HAUL AUGUST, 1975

Month	Hours	Total Tons	Tons per Hour	Cost per Ton	Trucks	Purpose
August	81.5	9,467.5	116.17	$0.344	Haulpaks	for ore haul
August	449.5	36,880	82.05	$0.335	Macks	for ore haul
July	314	27,675	88.14	$0.324	Macks	for ore haul

6000 0323 (2960)

Internal Communication

summa

Date: August 6, 1975

To: Walt Simmons

From: Fred Saunders

Subject: Monthly Hauling Record -- July

A total of 594.5 hours were spent hauling four types of material at Manhattan. They were tailings, screens, waste and ore. The total hours and tonnage are calculated below.

Material	Hours	Tons	Tons/Hr./Truck	Trucks/Hr.	Min./Load/Truck
Tailings:	176	app. 10,000	56.82	3.79	15.49
Screens:	24	1,605	66.88	4.46	13.27
Waste:	115.5	10,395	90.00	6.0	10.00
Ore:	279	24,945	89.41	5.96	10.04

Fred Saunders

Fred Saunders
Staff Geologist

W/ Bamby
sept - 1975

Heap NO 3

		To day Truck 1-4 @ 15T Loads	To day Tons	Total to date Loads	Total to date Tons	Grade to day	OZ AU To day	TOTAL OZ-AU TO DATE	Average Grade TO DATE
15	S	202	3030	2582	38730	.048	145.440	2760.435	.0713
16	S	158	2370	2740	41100	.049	116.130	2876.565	.0700
19	O	155	2325	2895	43425	.062	144.150	3020.715	.0696
20	O	141	2115	3036	45540	.104	219.960	3240.675	.0712
21	O	158	2370	3194	47910	.141	334.170	3574.845	.0746
22	O	144	2160	3338	50070	.116	237.600	3812.445	.0761
22	S	42	630	3380	50700	.030	18.900	3831.345	.0756
23	S	81	1215	3461	51915	.055	66.825	3898.170	.0751
23	O	100	1500	3561	53415	.105	157.500	4055.670	.0759
27	D	106	1590	3667	55005	.065	103.350	4159.020	.0756
27	S	62	930	3729	55935	.053	49.29	4208.31	.0752
28	S	145	2175	3874	58110	.042	91.35	4299.66	.0740
29	S	70	1050	3944	59160	.057	59.850	4359.51	.0737
29	O	115	1725	4059	60885	.169	291.525	4651.035	.0764
30	O	171	2565	4230	63450	.085	218.025	4869.060	.0767
2	O	24	360	4254	63810	.255	91.800	4960.860	.0777
2	S	128	1920	4382	65730	.076	145.920	5106.780	.0777
3	S	140	2100	4522	67830	.076	159.600	5266.38	.0776
4	S	140	2100	4662	69930	.049	102.900	5369.280	.0768
5	S	132	1980	4794	71910	.091	180.180	5549.46	.0772

SCREEN = 33450 TONS
OZ SCREENS = 1964.34
average Grade = .0587

ore = 38460.00 TONS
OZ ore = 3585.120

average ore = .0932

Compiled by
W.T. Bounby sept 1975

april 23rd 1975
to June 5 1975

Haulage Report Heap No. 3 page 1 of 2
BIG PINE Pit
MONITOR, NEV.
SUMMA CORP - Mining Division
6000 0323 (2960)

Date	Code	Truck 1-4 SUMMA-Loader C15 Loads	Truck 1-4 SUMMA-Loader C15 TONS	Total TO DATE Loads	Total TO DATE TONS	Avg Grade To day	OZ AU To day	Total OZ. AU. To DATE	Average grade of Heap No 3 To date
april 23	S	125	1875	125	1875	.089	166.875	166.875	.089
	S	145	2175	270	4050	.066	143.550	310.425	.0766
	S	174	2610	444	6660	.050	130.500	440.925	.0662
	S	160	2400	604	9060	.043	103.200	544.125	.0601
	S	134	2010	738	11070	.052	104.520	648.645	.0586
	S	73	1095	811	12165	.061	66.795	715.440	.0588
	O	55	825	866	12990	.037	30.525	745.965	.0574
	O	172	2580	1038	15570	.067	172.860	918.825	.0590
3	O	158	2370	1196	17940	.060	142.200	1061.025	.0591
3	S	6	90	1202	18030	.059	5.310	1066.335	.0591
5	O	95	1425	1297	19455	.060	85.500	1151.835	.0592
6	O	124	1860	1421	21315	.052	96.720	1248.555	.0586
7	O	122	1830	1543	23145	.058	106.140	1354.695	.0585
7	S	1	15	1544	23160	.059	0.885	1355.580	.0585
8	O	81	1215	1625	24375	.061	74.115	1429.695	.0587
8	S	92	1380	1717	25755	.064	88.320	1518.015	.0589
9	O	176	2640	1893	28395	.086	227.040	1745.055	.0615
12	O	180	2700	2073	31095	.081	218.700	1963.755	.0632
13	O	159	2385	2232	33480	.152	362.520	2326.275	.0695
14	O	128	1920	2360	35400	.141	270.720	2596.995	.0734
14	S	20	300	2380	35700	.060	18.000	2614.995	.0732

6000 0323 (2960)

		Total loads today		Total to date		Average Grade		Ounces of Gold	
		Loads	Tons	Trucks	Tons	Today	to date	Today	to date
O	20	141	2115	3036	45,540	.104	.073	315.744	3336.484
O	21	158	2273	3194	47,910	.141	.077	334.170	3670.554
O	22	144	2160	3339	50 070	.110	.078	237.60	3908.154
S	22	~~47~~ 42	630	3380	50700	.030	.077	18.90	3927.054
O	23	100	1500	3480	52200	.105	.078	157.50	4084.554
S	23	81	1215	3561	53415	.055	.078	66.825	4151.379
O	27	106	1590	3667	55005	.065	.077	103.35	4254.73
O	27	62	930	3729	55935	.053	.077	49.29	4304.02
S	28	145	2175	3874	58110	.042	.076	91.35	4395.37
O	29	115	1725	3989	59,835	.169	.078	291.525	4686.895
S	29	70	1050	4,059	60,885	.057	.078	59.85	4746.745
O	30	171	2565	4,230	63,450	.085	.078	218.025	4964.770
O	2	24	360	4,254	63,810	.255	.079	91.80	5,056.57
S	2	128	1920	4,382	65,730	.076	.079	145.92	5,202.49
S	3	140	2100	4,522	67,830	.076	.079	159.60	5,362.09
S	4	140	2100	4,662	69,930	.049	.078	102.90	5464.99
S	5	132	1980	4,794	71,910	.091	.0785	180.18	5,645.17

Wallie/Susie

This is copy of your first Heap3 submitted 9-23. Which one should I use if one is incorrect?

L

Screen Report - Haulage to Heap No 3

	Load	TONS	total Loads	total to date TONS	Grade today	$ today	total $ to date	Grade to date
S	125	1875	125	1875	.089	166.875	166.875	.0890
S	145	2175	270	4050	.066	143.550	310.425	.0766
S	174	2610	444	6660	.050	130.500	440.925	.0662
S	160	2400	604	9060	.043	103.200	544.125	.0601
S	134	2010	738	11070	.052	104.520	648.645	.0586
S	73	1095	811	12165	.061	66.795	715.440	.0588
S	6	90	817	12255	.059	5.310	720.750	.0588
S	1	15	818	12270	.059	.885	721.635	.0588
S	92	1380	910	13650	.064	88.32	809.955	.0593
S	20	300	930	13950	.060	18.00	827.955	.0594
S	202	3030	1132	16980	.048	145.440	973.395	.0573
S	158	2370	1290	19350	.049	116.130	1089.525	.0563
S	42	630	1332	19980	.030	18.90	1108.425	.0555
S	81	1215	1413	21195	.055	66.825	1175.250	.0554
S	62	930	1475	22125	.053	49.290	1224.54	.0553
S	145	2175	1620	24300	.042	91.35	1315.89	.0542
S	70	1050	1690	25350	.057	59.85	1375.74	.0543
S	128	1920	1818	27270	.076	145.92	1521.66	.0558
S	140	2100	1958	29370	.076	159.60	1681.26	.0572
S	140	2100	2098	31470	.049	102.90	1784.16	.0567
S	132	1980	2230	33450	.091	180.18	1964.34	.0587