

612

DAMN #5
PUMP #5
57 gpd/min

2" DRIVE, 1" DOWN
WASTE 5 GAL, 11 DOWN, 12.75,

PUMP #1 DOWN #1

FLOW INTO TANK

(water only) 22-23 PSI SHUT OFF

#	LB	SEC	22-23 PSI SHUT OFF
1	23.1	105	90-110 (weight of bucket 2.1 lbs)
2	17.7	50	55-70 PSI
3	16.7	46	55-70 PSI
4	22.9	42	35-40 PSI
5	22.7	41	35-40 PSI
6	10.4	53	100-120 PSI

Shake length changed.

PUMP #5 AT SPRINKLER

0 PSI 60 SEC 32.4 → 30.3 #

22-23 PSI SHUT OFF

10 PSI 61 SEC 18.00 → 2.1 = 15.9 PSI

PUMP #1

0 PSI 69 SEC 31.50 → 2.1 = 29.4 PSI

SHUT OFF 26 PSI RISING

PUMP #1 DAMN

- 1. 90 - 110 PSI 0.22 LB/SEC $\frac{0.22}{60} \times \frac{60}{8.33} = 1.58 \text{ GPM}$
- 2. 55 - 70 PSI 0.354 LB/SEC $\times 60 \times \frac{1}{8.33} = 2.5 \text{ GPM}$
- 3. 55 - 70 PSI 0.348 LB/SEC $\times 60 \times \frac{1}{8.33} = 2.5 \text{ GPM}$
- 4. 35 - 40 PSI 0.545 LB/SEC $\times 60 \times \frac{1}{8.33} = 3.93 \text{ GPM}$
- 5. 35 - 40 PSI 0.554 LB/SEC $\times 60 \times \frac{1}{8.33} = 3.99 \text{ GPM}$
- 6. 100 - 120 PSI 0.196 LB/SEC $\times 60 \times \frac{1}{8.33} = 1.41 \text{ GPM}$

PUMP #5 AT SPRINKLER

0 PSI 0.505 LB/SEC $\times 60 \times \frac{1}{8.33} = 3.64 \text{ GPM}$

22-23 PSI SHUT OFF

10 PSI 0.261 LB/SEC $\times 60 \times \frac{1}{8.33} = 1.88 \text{ GPM}$

PUMP #1 AT TANK

0 PSI 0.426 LB/SEC $\times 60 \times \frac{1}{8.33} = 3.07 \text{ GPM}$

26 PSI SHUT OFF RISING

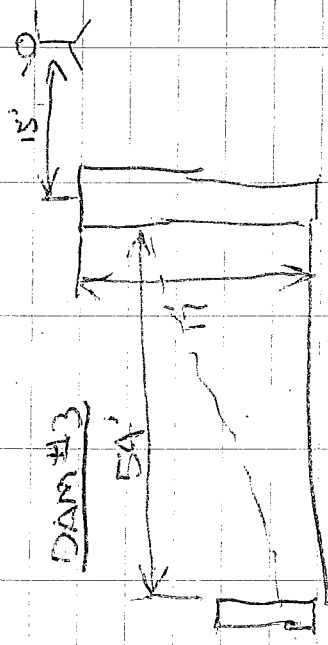
11.05 GAL

ZONE / 10 DAYS

DAM # 2, PMP # 2

OPS, 5 GAL / 18 SEC (MINUS BUCKET)
 30-60psi 19.0H 83.5Sec 14.9LB
 30-60psi 11.0H 62.5Sec 10.0LB
 SHUT-OFF 40-70psi

RESET NUBERT



DAM # 3

PUMP # 1 (MINUS BUCKET)
 0 psi 5 GAL @ 19.45
 35-60psi 27H 60.5Sec 24.9H
 90-140psi 9H 60.45Sec 6.9LB
 OPS 29.5 LB 72.5Sec 27.9LB
 5psi 21.0LB 62.65Sec 18.9LB

DAM # 2, PUMP # 2

1. FULL FLOW: 5 GAL / 18 SEC X 1 MIN / 60 SEC = 16.66 gpm
 2. 30-60psi 14.9LB / 83.5Sec X 1 MIN / 60 SEC = 1.25 gpm
 3. 30-60psi 10.9LB / 63.5Sec X 1 MIN / 60 SEC = 1.25 gpm

SHUT-OFF PRESS = 40-70psi

DAM # 3, PUMP # 1

FULL FLOW: 5 GAL / 19.45 SEC X 1 MIN / 60 SEC = 15.46 gpm
 35-60psi 24.9 LB / 83.5 SEC X 1 MIN / 60 SEC = 2.99 gpm
 90-140psi 6.9 LB / 60.45 SEC X 1 MIN / 60 SEC = 0.82 gpm
 AT SPRINKLER: OPS: 27.9 LB / 72.55 Sec X 1 MIN / 60 SEC = 2.74 gpm
 5psi 18.9 LB / 62.65 Sec X 1 MIN / 60 SEC = 2.17 gpm

Send Mustafa RPS point in
 again please

DAM #4 Pump #2 (HOLE #3)

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GROSS NET
 15 SEC 33.0 LBS @ 30.9
 VIBRATION
 40-70 MIN 21.5 19.4
 75-110 20.4 18.3

POTENTIAL MAX

DAM #4 PUMP #2 (HOLE #2)

GROSS NET
 15.5 SEC 41.0 LBS 38.9 LB
 60 SEC 21.3 LBS 19.2 LB

90-110 120 SEC 18.7 LBS 16.6 LB

3:00-170

END POINT
 OPEN 5 GAL @ 150 SEC

DAM #5, PUMP #1

PRESS. TIME GROSS NET
 10-12 38.1 / 5 sec 38.7 LBS 36.3 LB

50-56 65 sec 15.4 LBS 13.3 LB
 62-64 91 sec 13.5 LBS 11.4 LB

AT END
 OPEN 5 gal @ 63 sec
 16 PS / 62 sec 25.8 LBS 23.7 LB

DAM #5 PUMP #3

PRESSURE TI GROSS NET
 5 PS 25 sec 32 LBS 27.9 LB
 52-56 57 sec 18.5 16.4 LB
 80-86 118 sec 14.4 12.3 LB
 84-86

A7 SOURCE

OPEN 111 sec 5 gal

10-12 77 sec 25.0 LBS 22.9 LB

NET

PUMP #2 DAM #4

9 psi $\frac{30.9 \text{ LB}}{15 \text{ SEC}} \times \frac{60 \text{ SEC}}{\text{MIN}} \times \frac{1}{8.33} = 14.84 \text{ GPM}$

46-70 psi $\frac{19.4}{27.5 \text{ LB}} \times \frac{60 \text{ SEC}}{\text{MIN}} \times \frac{1}{8.33} = 2.38 \text{ GPM}$

75-110 psi $\frac{14.3}{20 \text{ LB}} \times \frac{60 \text{ SEC}}{\text{MIN}} \times \frac{1}{8.33} = 1.09 \text{ GPM}$

PUMP #7, DAM #4

9 psi $\frac{38.9 \text{ LB}}{15.5 \text{ SEC}} \times \frac{60 \text{ SEC}}{\text{MIN}} \times \frac{1}{8.33} = 18.16 \text{ GPM}$

50-85 psi $\frac{19.2 \text{ LB}}{6.8 \text{ SEC}} \times \frac{60 \text{ SEC}}{\text{MIN}} \times \frac{1}{8.33} = 2.30 \text{ GPM}$

100-120 psi $\frac{16.6 \text{ LB}}{12.0 \text{ SEC}} \times \frac{60 \text{ SEC}}{\text{MIN}} \times \frac{1}{8.33} = 0.99 \text{ GPM}$

END OF DELIVERY LINE AT 0 PSI

$\frac{5.6 \text{ LB}}{13.0 \text{ SEC}} \times \frac{60 \text{ SEC}}{\text{MIN}} = 2.6 \text{ GPM}$

DAM #5 PUMP #1

10-12 psi $\frac{36.3 \text{ LB}}{15.0 \text{ SEC}} \times \frac{60 \text{ SEC}}{\text{MIN}} \times \frac{1}{8.33} = 1.68 \text{ GPM}$

50-58 psi $\frac{13.3 \text{ LB}}{6.5 \text{ SEC}} \times \frac{60 \text{ SEC}}{\text{MIN}} \times \frac{1}{8.33} = 1.48 \text{ GPM}$

62-64 psi $\frac{11.4 \text{ LB}}{9.1 \text{ SEC}} \times \frac{60 \text{ SEC}}{\text{MIN}} \times \frac{1}{8.33} = 0.90 \text{ GPM}$

END OF DELIVERY PIPE

0 psi $\frac{5.6 \text{ LB}}{6.5 \text{ SEC}} \times \frac{60 \text{ SEC}}{\text{MIN}} = 4.76 \text{ GPM}$

16 psi $\frac{23.7 \text{ LB}}{62.5 \text{ SEC}} \times \frac{60 \text{ SEC}}{\text{MIN}} \times \frac{1}{8.33} = 2.75 \text{ GPM}$

DAM #5 PUMP #3

5 psi $\frac{24.9 \text{ LB}}{25.5 \text{ SEC}} \times \frac{60 \text{ SEC}}{\text{MIN}} \times \frac{1}{8.33} = 8.6 \text{ GPM}$

52-56 psi $\frac{16.4 \text{ LB}}{57.5 \text{ SEC}} \times \frac{60 \text{ SEC}}{\text{MIN}} \times \frac{1}{8.33} = 2.07 \text{ GPM}$

84-88 psi $\frac{12.3 \text{ LB}}{11.5 \text{ SEC}} \times \frac{60 \text{ SEC}}{\text{MIN}} \times \frac{1}{8.33} = 0.75 \text{ GPM}$

END OF DELIVERY PIPE

0 psi $\frac{5.6 \text{ LB}}{11.5 \text{ SEC}} \times \frac{60 \text{ SEC}}{\text{MIN}} = 2.7 \text{ GPM}$

10-12 psi $\frac{23.8 \text{ LB}}{77.5 \text{ SEC}} \times \frac{60 \text{ SEC}}{\text{MIN}} \times \frac{1}{8.33} = 2.14 \text{ GPM}$