

Martin Dams
APT

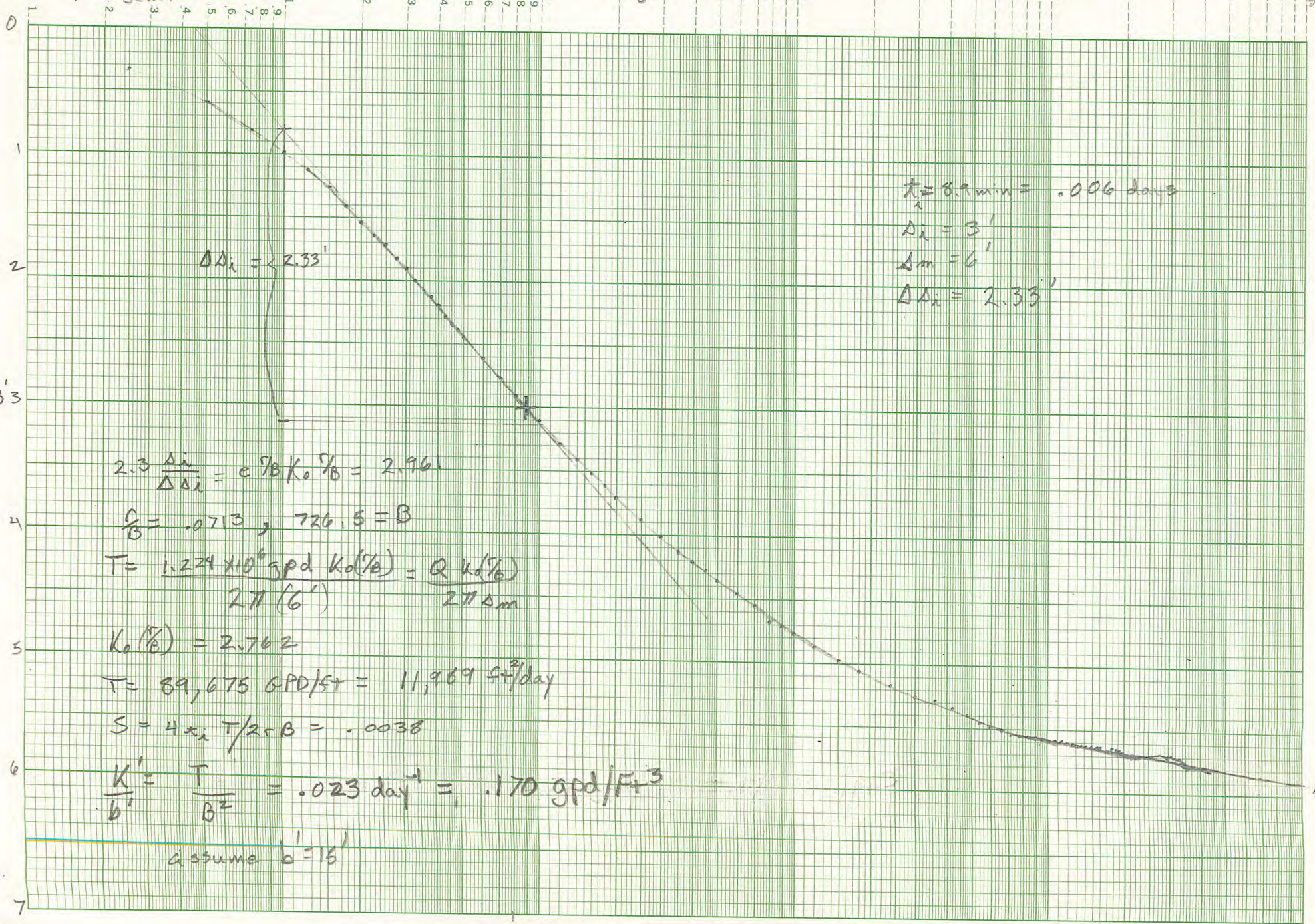
Q = 850 gpm

46 6210 r = 51.8'

OW 3-D

Hantush I
Semi confined

Q = 850 gpm



$t_x = 8.9 \text{ min} = .006 \text{ days}$

$\Delta r = 3'$

$\Delta m = 6'$

$\Delta \Delta_i = 2.33'$

$2.3 \frac{\Delta \Delta_i}{\Delta \Delta_i} = c \frac{\%}{B} K_o \frac{\%}{B} = 2.961$

$\frac{c}{B} = .0713, 726.5 = B$

$T = \frac{1.224 \times 10^6 \text{ gpd } K_o (\frac{\%}{B})}{2\pi (6')} = \frac{Q K_o (\frac{\%}{B})}{2\pi \Delta m}$

$K_o (\frac{\%}{B}) = 2.762$

$T = 89,675 \text{ GPD/ft} = 11,969 \text{ ft}^2/\text{day}$

$S = 4 \times \xi \times T / 2 \times B = .0038$

$\frac{K'}{b'} = \frac{T}{B^2} = .023 \text{ day}^{-1} = .170 \text{ gpd/ft}^3$

assume $b' = 16'$

$t_x = 8.9$

OW 1-0
r = 97.5'

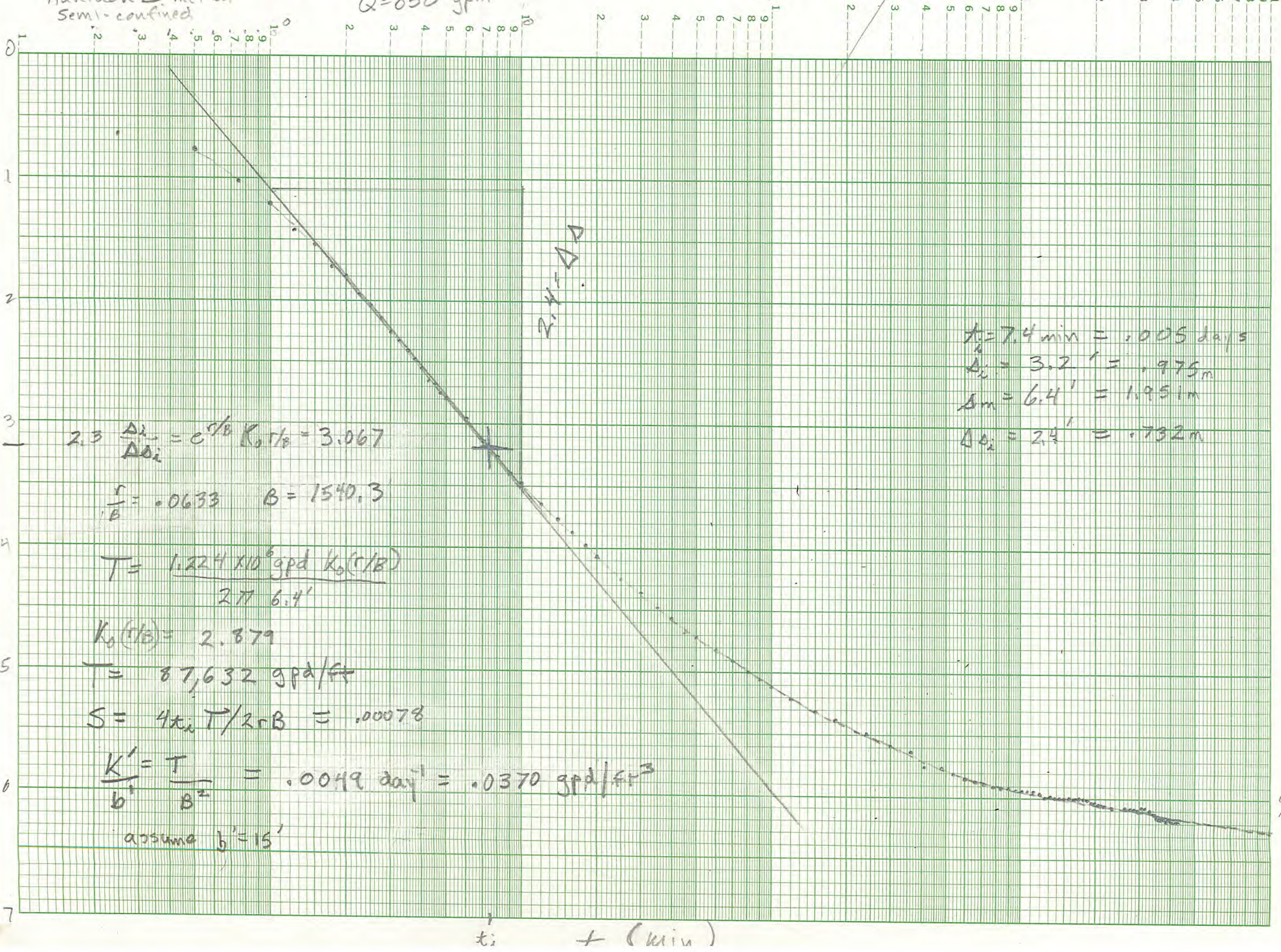
Martin Downs
APT

SEMI-LOGARITHMIC 5 CYCLES X 70 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.

46 6210

Hantush J method
Semi-confined

Q = 850 gpm



$t_i = 7.4 \text{ min} = .005 \text{ days}$
 $A_i = 3.2' = .975 \text{ m}$
 $\Delta m = 6.4' = 1.95 \text{ m}$
 $\Delta t_i = 2.4' = .732 \text{ m}$

$2.5 \frac{\Delta s_i}{\Delta t_i} = c^{r/B} K_0 r/B = 3.067$

$\frac{r}{B} = .0633 \quad B = 1540.3$

$T = \frac{1.224 \times 10^6 \text{ gpd } K_0 (r/B)}{2\pi \cdot 6.4'}$

$K_0 (r/B) = 2.879$

$T = 87,632 \text{ gpd/ft}$

$S = 4\pi t_i T / 2rB = .00078$

$\frac{K'}{b'} = \frac{T}{B^2} = .0049 \text{ day}^{-1} = .0370 \text{ gpd/ft}^3$

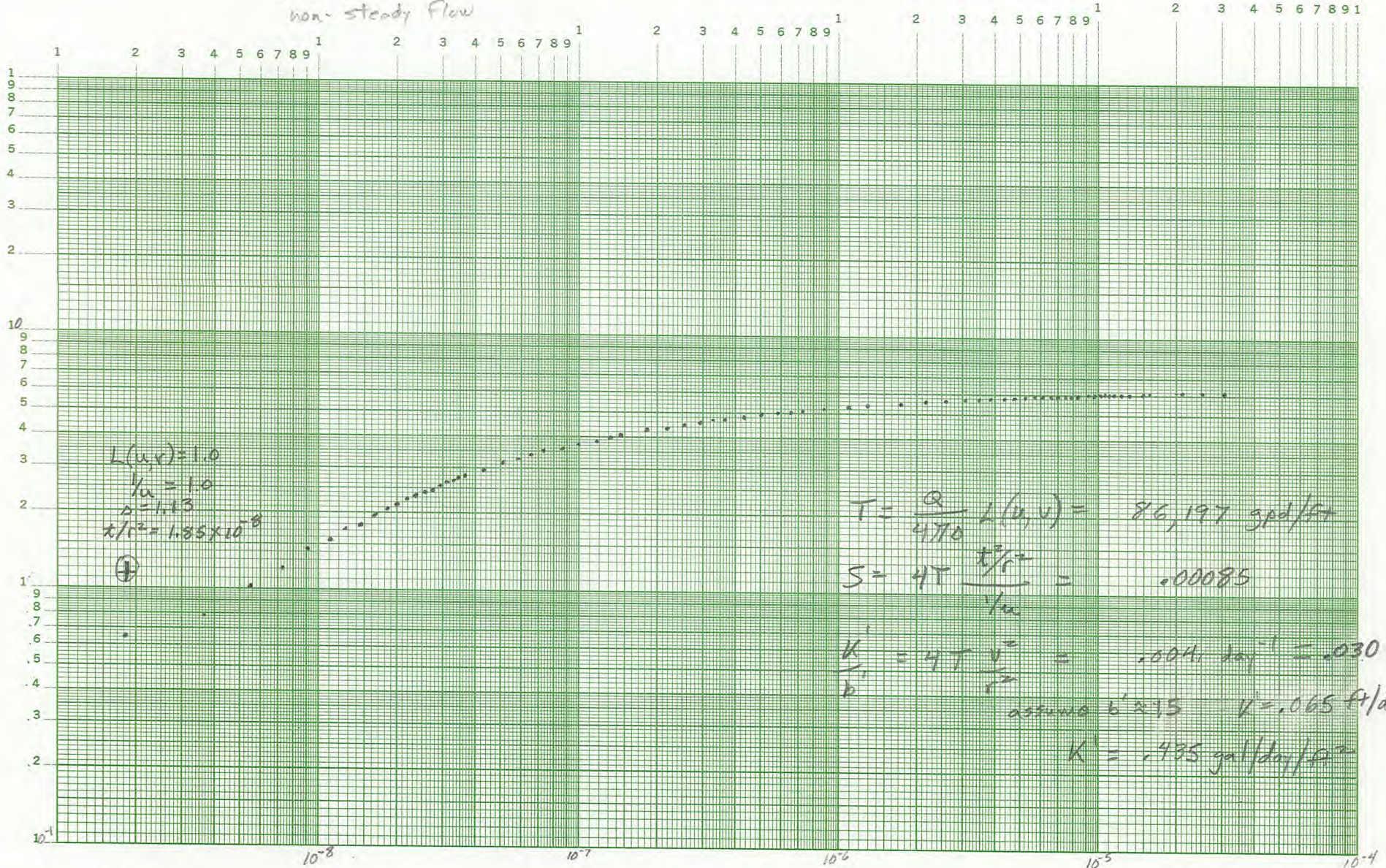
assume $b' = 15'$

extr
≈ 6.4

Martin Downs A.P.T.
46 7522

OW 1-D
r = 97.5 ft

Hantush-Jacob method
Semi-confined
non-steady flow



$L(u,v) = 1.0$
 $\gamma_a = 1.0$
 $\alpha = 1.13$
 $\alpha/r^2 = 1.85 \times 10^{-8}$

$$T = \frac{Q}{4\pi D} L(u,v) = 86,197 \text{ gpd/ft}$$

$$S = 4T \frac{\alpha/r^2}{\gamma_a} = 0.00085$$

$$\frac{K}{b'} = 4T \frac{\alpha}{r^2} = 0.0041 \text{ day}^{-1} = 0.030 \text{ GPD/ft}^2$$

assume $b' = 35$ $K = 0.065 \text{ ft/day}$

$$K = 0.485 \text{ gal/day/ft}^2$$

$\nu \approx .03$
after Cooper (1963, pl. 4)

t/r^2 (days/ft²)

$b' \Rightarrow$ thickness of hardpan + underlying marl where present

Hantush-Jacob method
Semi-confined
non steady flow

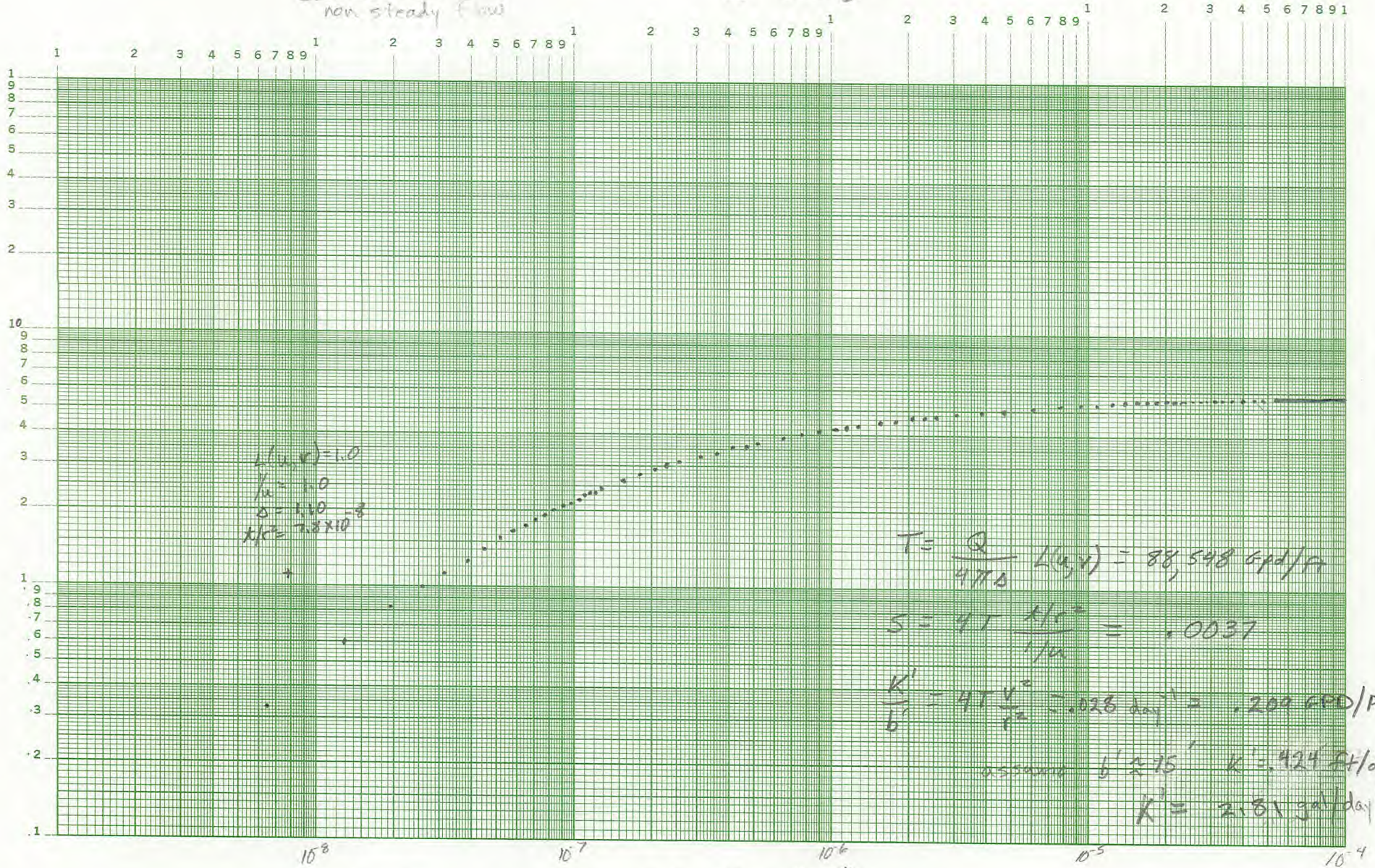
Martin Downs A.P.T.

OW 3-D

46 7522

$r = 51.8'$

$Q = 850 \text{ gpm}$



$L(u,v) = 1.0$
 $1/u = 1.0$
 $S = 1.10$
 $K/b^2 = 7.8 \times 10^{-8}$

$T = \frac{Q}{4\pi h} L(u,v) = 88,548 \text{ gpd/ft}$

$S = 4T \frac{K/b^2}{1/u} = .0037$

$\frac{K'}{b'} = 4T \frac{K/b^2}{r^2} = .028 \text{ day}^{-1} = .209 \text{ fpd/ft}^3$

assumed $b' = 15'$ $K' = .424 \text{ ft/day}$
 $K'' = 2.85 \text{ gal/day/ft}^2$

$v \approx .04$
after Cooper (1963, p.4)

$t/r^2 \text{ (days/ft}^2\text{)}$

$b' \Rightarrow$ thickness of hardpan +
underlying marl where
present

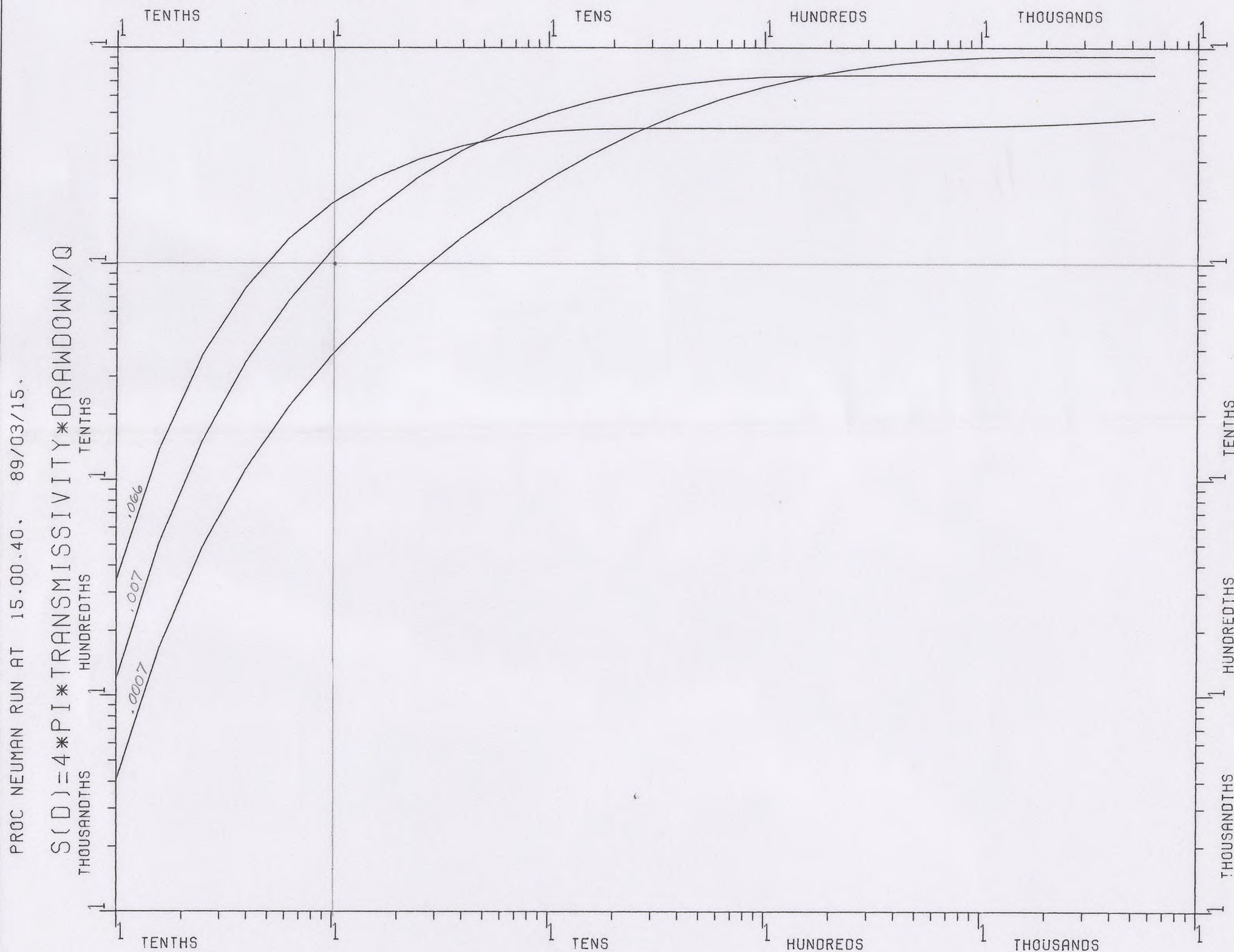
MARTIN DOWNS D1

NEUMAN PARTIAL PENETRATION SOLUTION

B: 120' PW TD/CD: 140'/100' OW TD/CD: 140'/80'

ZD1=.1667, ZD2=.3333, PD=1.1667, DD=.8333

BETA = .066, .007, .0007



$$T(S) = \text{TRANSMISSIVITY} * \text{TIME} / \text{STORATIVITY} * \text{DISTANCE} ** 2$$

MARTIN DOWNS 3D

NEUMAN PARTIAL PENETRATION SOLUTION

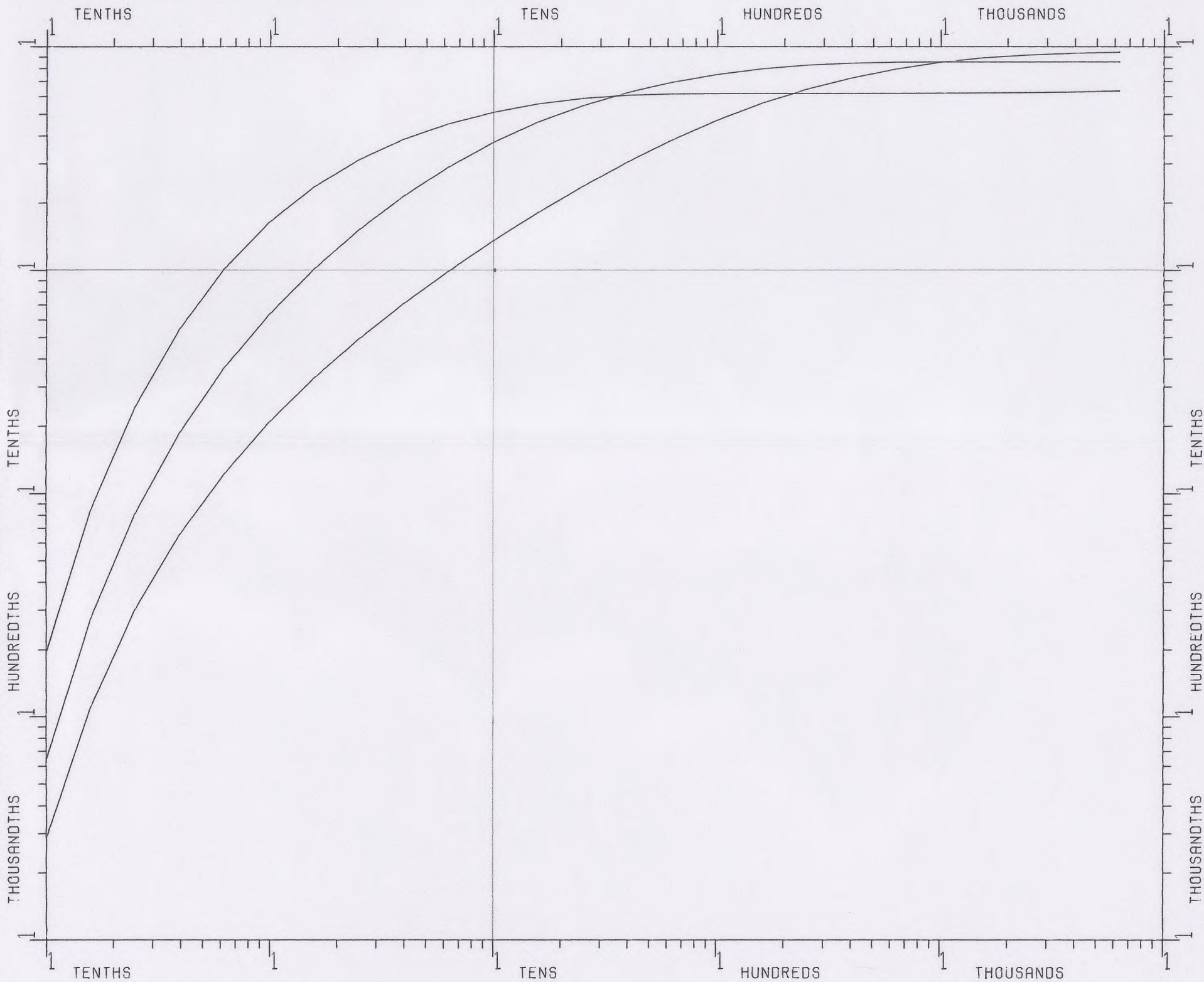
B: 120' PW TD/CD: 140'/100' OW TD/CD: 140'/80'

ZD1=.1667, ZD2=.3333, PD=1.1667, DD=.8333

BETA = .019, .002, .0002

PROC NEUMAN RUN AT 15.01.37. 89/03/15.

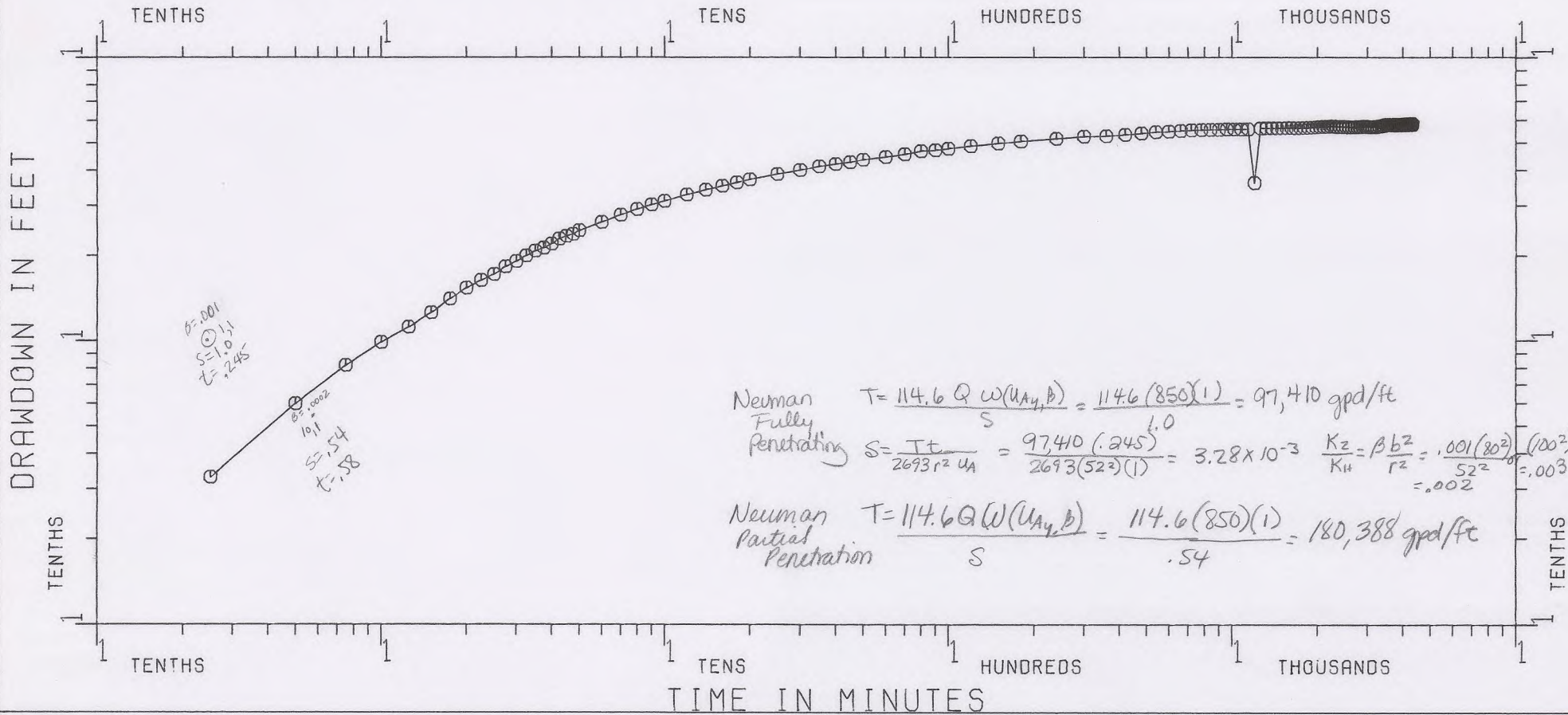
$S(D) = 4 * \pi * T * \text{TRANSMISSIVITY} * \text{DRAWDOWN} / Q$



$T(S) = \text{TRANSMISSIVITY} * \text{TIME} / \text{STORATIVITY} * \text{DISTANCE} ** 2$

OBSERVATION WELL : OW-3D

R = 51.8 Q = 850



MARTIN DOWNS

1113
- Martin Co. C-3
10

FIELD DATA
FOR
MARTIN DOWNS AQUIFER TEST
(8-16-80 at 1100 hrs.)

Contents:

- Manometer Readings
- Water Level Records in Observation Wells
- Staff Gage Readings



MANOMETER READINGS

PROJECT 77-23 LOCATION Marina Downs

METHOD OF MEASURING 6 1/2" orifice AVERAGE DISCHARGE 850 GPM

STARTING DATE OF TEST 8-16-80, time 1100 hrs

| Time | | Inches | Dis-charge (gpm) | Staff Gage (ft) | Temp (oC) | Cond. (umhos/cm) | Mea-sured by | Remarks |
|------|-------|--------|------------------|-----------------|-----------|------------------|--------------|---------------------------------|
| (hr) | (min) | | | | | | | |
| | .5 | 48.75 | | | | | JF | Big surge in 25 sec. of nothing |
| | 1 | 49.00 | | | | | ↓ | |
| | 1.5 | 48.75 | | | | | ↓ | |
| | 2 | 48.75 | | | | | | |
| | 2.5 | 48.50 | | | | | | |
| | 3.0 | 48.50 | | | | | | |
| | 3.5 | 48.50 | | | | | | |
| | 4.0 | 48.50 | | | | | | |
| | 4.5 | 48.50 | | | | | | |
| | 5.0 | 48.25 | | | | | | |
| | 6 | 48.25 | | | | | | |
| | 7 | 48.25 | | | | | | Adj. Valve down |
| | 8 | 48.25 | | | | | | 7 min |
| | 9 | 48.75 | | | | | | |
| | 10 | 48.25 | | | | | | Adjust down |
| | 12 | 47.00 | | | | | | opened valve |
| | 14 | 47.75 | | | | | | |
| | 16 | 47.75 | | | | | | |
| | 18 | 47.75 | | | | | | |
| | 20 | 47.50 | | | | | | flur. Between 47.50 + 47.75 |
| | 25 | 47.50 | | | | | | |
| | 30 | 47.50 | | | | | | SPM Flange 24 |



MANOMETER READINGS

PROJECT 80-83 LOCATION Martin Downs

METHOD OF MEASURING 6x5" orifice AVERAGE DISCHARGE 850 GPM

STARTING DATE OF TEST 3-16-80 , 1100hrs

| Time | | Inches | Dis-charge (gpm) | Staff Gage (ft) | Temp (oC) | Cond. (umhos/cm) | Mea-sured by | Remarks |
|------|-------|--------------|------------------|-----------------|-----------|------------------|--------------|-----------------------------|
| (hr) | (min) | | | | | | | |
| | 35 | 47.50 | | | | | JF | |
| | 40 | 47.50 | | | | | | |
| | 45 | 47.50 | | | | | | |
| | 50 | 47.50 | | | | | ↓ | flux between 47.5 and 47.25 |
| 1 | 60 | 47.25 | | | | | | |
| | 70 | 47.25 | | | | | | opened valve slightly |
| | 80 | 47.50 | | | | | | |
| | 90 | 47.50 | | | | | | |
| | 100 | 47.50 | | | | | ↓ | |
| 2 | 120 | 47.5 | | | | | RB | |
| | 150 | | | | | | RB | |
| 3 | 180 | | | | | | RB | |
| 4 | 240 | 47.25 | | | | | HJ | |
| 5 | 300 | 47.25 | | | | | JF | opened valve at touch |
| 6 | 360 | 47.50 | | | | | JF | |
| 7 | 420 | 47.00 | | | | | JF | opened valve |
| 8 | 480 | 47.50 | | | | | JF | |
| 9 | 540 | 47.50 | | | | | JF | flux |
| 10 | 600 | 47.75 | | | | | JF | |
| 11 | 660 | 47.75 | | | | | JF | |
| 12 | 720 | 47.50 | | | | | JF | |
| 13 | 780 | 47.5 → 47.75 | | | | | RB JF | |



MANOMETER READINGS

PROJECT 80-83 LOCATION Martin DownsMETHOD OF MEASURING 6x5" orifice AVERAGE DISCHARGE 850 GPMSTARTING DATE OF TEST 3-16-80, 1100hrs

| Time | | Inches | Dis-charge (gpm) | Staff Gage (ft) | Temp (oC) | Cond. (umhos/cm) | Mea-sured by | Remarks |
|------|-------|-------------|------------------|-----------------|-----------|------------------|--------------|-------------------------|
| (hr) | (min) | | | | | | | |
| 14 | 840 | 47.50 | | | | | RE | |
| 15 | 900 | 47.50 | | | | | RB | |
| 16 | 960 | 47.50 | | | | | RB | |
| 17 | 1020 | 47.50 | | | | | RB | |
| 18 | 1080 | 47.50-47.75 | | | | | RB | |
| 19 | 1140 | 47.50 | | | | | RE | |
| 20 | 1200 | | | | | | | |
| 21 | 1260 | 47.50 | | | | | | |
| 22 | 1320 | 47.50 | | | | | MK | |
| 23 | 1380 | 47.50 | | | | | MK | |
| 24 | 1440 | 47.50 | | | | | RE | |
| 25 | 1500 | 47.75 | | | | | MK | |
| 26 | 1560 | 47.75 | | | | | MK | |
| 27 | 1620 | 47.75 | | | | | HW | |
| 28 | 1680 | 47.75 | | | | | HW | |
| 29 | 1740 | 47.75 | | | | | HW | |
| 30 | 1800 | 47.75 | | | | | HW | |
| 31 | 1860 | 47.75 | | | | | JF | closed valve SP. 1/2 |
| 32 | 1920 | 47.75 | | | | | JF | 1900 hrs Time |
| 33 | 1980 | 47.75 | | | | | JF | 2000 hrs " |
| 34 | 2040 | 47.90 | | | | | JF | 1900 hrs 2100 hrs |
| 35 | 2100 | 47.75 | | | | | JF | 1900 hrs |



MANOMETER READINGS

PROJECT 80-83

LOCATION Martin Downs

METHOD OF MEASURING 6x5" orifice

AVERAGE DISCHARGE 850 GPM

STARTING DATE OF TEST 3-16-80, 1100hrs

| Time | | Inches | Dis-charge (gpm) | Staff Gage (ft) | Temp (oC) | Cond. (umhos/cm) | Mea-sured by | Remarks |
|------|-------|--------|------------------|-----------------|-----------|------------------|--------------|---------------------------|
| (hr) | (min) | | | | | | | |
| 36 | 2160 | 47.75 | | | | | JF | 1100hrs closed with valve |
| 37 | 2220 | 47.75 | | | | | JF | |
| 38 | 2280 | 47.75 | | | | | JF | |
| 39 | 2340 | 47.75 | | | | | JF | |
| 40 | 2400 | 47.50 | 47.75 | | | | JF | |
| 41 | 2460 | 47.50 | | | | | JF | |
| 42 | 2520 | 47.50 | | | | | JF | |
| 43 | 2580 | 47.50 | | | | | JF | |
| 44 | 2640 | 47.50 | | | | | JF | |
| 45 | 2700 | 47.75 | | | | | JK | |
| 46 | 2760 | 47.50 | | | | | JF | |
| 47 | 2820 | 47.50 | | | | | JF | |
| 48 | 2880 | 47.50 | | | | | JF | |
| 49 | 2940 | 47.50 | | | | | JK | 12 noon |
| 50 | 3000 | 47.50 | | | | | JK | |
| 51 | 3060 | 47.50 | | | | | JK | |
| 52 | 3120 | 47.50 | | | | | JK | |
| 53 | 3180 | 47.50 | | | | | JK | |
| 54 | 3240 | 47.50 | | | | | JK | |
| 55 | 3300 | 47.50 | | | | | JF | 6:00 pm |
| 56 | 3360 | 47.75 | | | | | JF | opening valve |
| 57 | 3420 | 47.50 | | | | | JF | |



GEE & JENSON

ENGINEERS-ARCHITECTS-PLANNERS, INC.

2019 OKEECHOBEE BOULEVARD, WEST PALM BEACH, FLORIDA. . . 33409. . . 305 - 683-3301

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Director Emeritus
H. C. GEE, P.E.
THEODORE B. JENSON, P.E.

RECORD OF WATER LEVELS

Well No. PWJ

Project 80-23 Location Martin Downs

Elevation 17.11 (SE corner) MSL Measuring Point Top of 10" casing

Distance to Pumped Well 0 feet Discharge 850 GPM

Total Depth approx. 140 feet Cased Depth feet Diameter 10 IN

Starting Date of Test 3-16-80, time 1100 hrs

| Time | | Water Level (ft) | | | Draw - Down (ft) | Mea - sured by | Adjustments | | Remarks |
|------|-------|------------------|------|-------------|------------------|----------------|------------------|----------------------|-----------------|
| (hr) | (min) | Held | Wet | Below MP | | | De - water - ing | Back - ground Levels | |
| | 9:10 | 9.30 | 4.19 | 4.71 | | SN | | | steel tape |
| | 1000 | | | 4.85 / 4.85 | | RB | | | tape / scope #A |
| | 1029 | | | 4.87 | | RB | | | |
| | 1057 | | | 4.85 | | SN | | | |
| | | | | 4.86 | | | | | STATIC |
| | .25 | | | | | | | | |
| | .50 | | | | | | | | |
| | .75 | | | 12.44 | 7.58 | SN | .2128 | | 7.37 |
| | 1.00 | | | - | - | | | | |
| | 1.25 | | | 13.07 | 8.21 | SN | .2496 | | 7.96 |
| | 1.50 | | | 13.47 | 8.61 | SN | .2746 | | 8.33 |
| | 1.75 | | | 13.73 | 8.87 | SN | .2914 | | 8.58 |
| | 2.00 | | | 13.81 | 8.95 | SN | .2967 | | 8.65 |
| | 2.25 | | | 14.02 | 9.16 | SN | .3108 | | 8.85 |
| | 2.50 | | | - | - | | | | |
| | 2.75 | | | | 9.24 | SN | | | 8.91 |

RECORD OF WATER LEVELS

Well No. PW

Project 80-83

Starting date of Test 3-16-80, 1100 hr

| Time | | Water Level (ft.) | | | Draw-Down (ft) | Measured by | Adjustments | | Remarks |
|------|-------|-------------------|-----|------------------|----------------|-------------|-------------|--------------------|--------------------|
| (hr) | (min) | Held | Wet | Below MP | | | De-watering | Back-ground Levels | |
| | 3.00 | | | 14.25 | 4.86 9.39 | SN | | | 9.05 M-score 54 |
| | 3.25 | | | - | - | | | | 9.11 |
| | 3.50 | | | 14.35 | 9.49 | SN | | | 9.14 |
| | 3.75 | | | 14.45 | 9.59 | SN | | | 9.24 |
| | 4.00 | | | 14.52 | 9.66 | SN | | | 9.30 |
| | 4.25 | | | 14.52 | - | | | | |
| | 4.50 | | | 14.65 | 9.79 | SN | | | 9.42 |
| | 4.75 | | | 14.70 | 9.84 | SN | | | 9.47 |
| | 5 | | | 14.72 | 9.96 | SN | | | 9.47 |
| | 6 | | | 14.90 | 10.04 | SN | | | 9.65 |
| | 7 | | | 15.10 | 10.24 | SN | | | 9.84 |
| | 8 | | | 15.14 | 10.28 | SN | | | 9.89 |
| | 9 | | | 15.33 | 10.47 | SN | | | 10.05 |
| | 10 | | | 15.51 | 10.48 | SN | | | 10.05 |
| | 12 | | | 15.47 | 10.61 | SN | | | 10.18 |
| | 14 | | | 15.70 | 10.84 | SN | | | 10.37 |
| | 16 | | | 15.82 | 10.96 | SN | | | 10.50 |
| | 18 | | | 15.88 | 11.02 | SN | | | 10.55 |
| | 20 | | | 15.75 | 11.09 | SN | | | 10.62 |
| | 25 | | | 16.14 | 11.28 | SN | | | 10.77 |
| | 30 | | | 16.29 | 11.43 | SN | | | 10.93 |
| | 35 | | | 16.38 | 11.52 | SN | | | 11.01 |

RECORD OF WATER LEVELS

Well No. PW

Project 89-83 Starting date of Test 3-16-80, 1100h

| Time | | Water Level (ft.) | | | Draw-Down (ft) | Measured by | Adjustments | | Remarks |
|------|-------|-------------------|-----|----------|----------------|-------------|-------------|--------------------|---------|
| (hr) | (min) | Held | Wet | Below MP | | | De-watering | Back-ground Levels | |
| | | | | | 4.85 | | | | |
| | 40 | | | 16.47 | 11.61 | SN | 11.09 | | |
| | 45 | | | 16.53 | 11.67 | SN | 11.15 | | |
| | 50 | | | 16.61 | 11.75 | SN | 11.22 | | |
| 1 | 60 | | | 16.72 | 11.86 | SN | 11.32 | | |
| | 70 | | | 16.81 | 11.95 | SN | 11.40 | | |
| | 80 | | | 16.93 | 12.07 | SN | 11.51 | | |
| | 90 | | | 16.97 | 12.11 | SN | 11.54 | | |
| | 100 | | | 17.02 | 12.16 | SN | 11.59 | | |
| 2 | 120 | | | 17.18 | 12.32 | JE | 11.74 | | |
| | 150 | | | 17.29 | 12.43 | RB | 11.83 | | |
| 3 | 180 | | | 17.34 | 12.48 | RB | 11.88 | | |
| 4 | 240 | | | 17.45 | 12.59 | SN | 11.98 | | |
| 5 | 300 | | | 17.53 | 12.67 | JF | 12.05 | | |
| 6 | 360 | | | 17.61 | 12.75 | JF | 12.12 | | |
| 7 | 420 | | | 17.66 | 12.80 | JF | 12.17 | | |
| 8 | 480 | | | 17.73 | 12.87 | JF | 12.23 | | |
| 9 | 540 | | | 17.81 | 12.95 | JF | 12.30 | | |
| 10 | 600 | | | 17.86 | 13.00 | JF | 12.35 | | |
| 11 | 660 | | | 17.88 | 13.02 | JF | 12.37 | | |
| 12 | 720 | | | 17.90 | 13.04 | JF | 12.39 | | |
| 13 | 780 | | | 17.90 | 13.04 | JF | 12.4 | | |
| | 840 | | | 17.91 | 13.05 | RB | 12.41 | | |

RECORD OF WATER LEVELS

Well No. PW

Project 80-83

Starting date of Test 3-16-80, 1100h

| Time | | Water Level (ft.) | | | Draw-Down (ft) | Mea-sured by | Adjustments | | Remarks |
|------|-------|-------------------|-----|----------|----------------|--------------|-------------|--------------------|---------|
| (hr) | (min) | Held | Wet | Below MP | | | De-watering | Back-ground Levels | |
| 15 | 900 | | | 17.75 | 13.07 | RE | 12.41 | | |
| 16 | 960 | | | 17.77 | 13.07 | RB | 12.41 | | |
| 17 | 1020 | | | 17.77 | 13.06 | SN | 12.40 | | |
| 18 | 1080 | | | 17.77 | 13.11 | SN | 12.45 | | |
| 19 | 1140 | | | 17.77 | 13.41 | SN | 12.45 | | |
| 20 | 1200 | | | 17.77 | 13.11 | SN | 12.45 | | |
| 21 | 1260 | | | 17.94 | 13.17 | MK | 12.47 | | |
| 22 | 1320 | | | 17.99 | 13.13 | MK | 12.47 | | |
| 23 | 1380 | | | 17.97 | 13.13 | RB | 12.47 | | |
| 24 | 1440 | | | 17.97 | 13.13 | RB | 12.47 | | |
| 25 | 1500 | | | 17.99 | 13.13 | MK | 12.47 | | |
| 26 | 1560 | | | 18.02 | 13.16 | MK | 12.49 | | |
| 27 | 1620 | | | 18.01 | 13.15 | HV | 12.48 | | |
| 28 | 1680 | | | 18.02 | 13.16 | HV | 12.49 | | |
| 29 | 1740 | | | 18.02 | 13.16 | HV | 12.49 | | |
| 30 | 1800 | | | 18.02 | 13.16 | HV | 12.49 | | |
| 31 | 1860 | | | 18.04 | 13.19 | TF | 12.51 | | |
| 32 | 1920 | | | 18.02 | 13.16 | TF | 12.49 | | |
| 33 | 1980 | | | 18.02 | 13.17 | TF | 12.50 | | |
| 34 | 2040 | | | 18.02 | 13.19 | TF | 12.51 | | |
| 35 | 2100 | | | 18.02 | 13.19 | TF | 12.52 | | |
| 36 | 2160 | | | 18.02 | 13.21 | TF | 12.54 | | |

RECORD OF WATER LEVELS

Well No. PW

Project 80-22

Starting date of Test 3-16-80 1100hrs

| Time | | Water Level (ft.) | | | Draw-Down (ft) | Mea-sured by | Adjustments | | Remarks |
|------|-------|-------------------|-----|----------|----------------|--------------|-------------|--------------------|---------|
| (hr) | (min) | Held | Wet | Below MP | | | De-watering | Back-ground Levels | |
| 37 | 2220 | | | 12.07 | 13.17 | RB | 12.56 | | |
| 38 | 2280 | | | 12.06 | 13.15 | RB | 12.53 | | |
| 39 | 2340 | | | 12.05 | 13.19 | RB | 12.52 | | |
| 40 | 2400 | | | 12.05 | 13.19 | RB | 12.52 | | |
| 41 | 2460 | | | 12.06 | 13.19 | RB | 12.53 | | |
| 42 | 2520 | | | 12.05 | 13.18 | RB | 12.52 | | |
| 43 | 2580 | | | 12.05 | 13.20 | RB | 12.53 | | |
| 44 | 2640 | | | 12.04 | 13.19 | RB | 12.51 | | |
| 45 | 2700 | | | 12.04 | 13.19 | RB | 12.51 | | |
| 46 | 2760 | | | 12.05 | 13.17 | RB | 12.50 | | |
| 47 | 2820 | | | 12.04 | 13.17 | RB | 12.51 | | |
| 48 | 2880 | | | 12.04 | 13.18 | RB | 12.51 | | |
| 49 | 2940 | | | 12.04 | 13.18 | MK | 12.51 | | |
| 50 | 3000 | | | 12.05 | 13.15 | MK | 12.51 | | |
| 51 | 3060 | | | 12.07 | 13.21 | SN | 12.54 | | |
| 52 | 3120 | | | 12.05 | 13.19 | MK | 12.52 | | |
| 53 | 3180 | | | 12.05 | 13.19 | MK | 12.52 | | |
| 54 | 3240 | | | 12.06 | 13.20 | MK | 12.53 | | |
| 55 | 3300 | | | 12.07 | 13.22 | JF | 12.55 | | |
| 56 | 3360 | | | 12.07 | 13.22 | JF | 12.55 | | |
| 57 | 3420 | | | 12.10 | 13.24 | CR | 12.56 | | |
| 58 | 3480 | | | 12.11 | 13.29 | CR | 12.60 | | |

RECORD OF WATER LEVELS

Well No. PW

Project 80-83

Starting date of Test 3-16-80, 1100hr

4.86

| Time (hr) | (min) | Water Level (ft.) | | | Draw- Down (ft) | Mea- sured by | Adjustments | | Remarks |
|--------------|-------|-------------------|-----|-------------|-----------------------|---------------------|----------------------|---------------------------|---------|
| | | Held | Wet | Below MP | | | De- water- ing | Back- ground Levels | |
| RECOVERY | | | | | | | | | |
| | | | | 18.12 | 13.32 | GR | | | |
| | .25 | | | | | | | | |
| | .50 | | | 10.4 | 5.54 | GR | | | |
| | .75 | | | 9.7 | 4.94 | GR | | | |
| | 1.00 | | | 9.05 | 4.59 | GR | | | |
| | 1.25 | | | 9.0 | 4.14 | GR | | | |
| | 1.50 | | | 8.78 | 3.92 | GR | | | |
| | 1.75 | | | 8.6 | 3.71 | GR | | | |
| | 2.00 | | | 8.38 | 3.52 | GR | | | |
| | 2.25 | | | 8.32 | 3.46 | GR | | | |
| | 2.50 | | | 8.61 | 3.75 | GR | | | |
| | 2.75 | | | 8.7 | 3.84 | GR | | | |
| | 3.00 | | | 8.8 | 3.77 | GR | | | |
| | 3.25 | | | 8.9 | 3.76 | GR | | | |
| | 3.50 | | | 9.0 | 3.7 | GR | | | |
| | 3.75 | | | 9.1 | 3.69 | GR | | | |
| | 4.00 | | | 9.2 | 3.67 | GR | | | |
| | 4.25 | | | 9.3 | 3.59 | GR | | | |
| | 4.50 | | | 9.4 | 3.53 | GR | | | |
| | 4.75 | | | 9.5 | 3.51 | GR | | | |
| | 5.00 | | | 9.6 | 3.48 | GR | | | |



RECORD OF WATER LEVELS

Well No. PWProject 80-83Starting date of Test 3-16-80, 1100hrs

4.86

| Time (hr) | (min) | Water Level (ft.) | | | Draw- Down (ft) | Mea- sured by | Adjustments | | Remarks |
|--------------|-------|-------------------|-----|-------------|-----------------------|---------------------|----------------------|---------------------------|---------|
| | | Held | Wet | Below MP | | | De- water- ing | Back- ground Levels | |
| RECOVERY | | | | | | | | | |
| | | | | 18.18 | 13.32 | GR | | | |
| | .25 | | | | | | | | |
| | .50 | | | 10.4 | 5.54 | GR | | | |
| | .75 | | | 9.8 | 4.94 | GR | | | |
| | 1.00 | | | 9.95 | 4.59 | GR | | | |
| | 1.25 | | | 9.0 | 4.14 | GR | | | |
| | 1.50 | | | 8.78 | 3.92 | GR | | | |
| | 1.75 | | | 8.6 | 3.74 | GR | | | |
| | 2.00 | | | 8.38 | 3.52 | GR | | | |
| | 2.25 | | | 8.32 | 3.46 | GR | | | |
| | 2.50 | | | 7.61 | 3.75 | GR | | | |
| | 2.75 | | | 8.7 | 3.84 | GR | | | |
| | 3.00 | | | 8.65 | 3.79 | GR | | | |
| | 3.25 | | | 8.62 | 3.76 | GR | | | |
| | 3.50 | | | 8.59 | 3.73 | GR | | | |
| | 3.75 | | | 8.55 | 3.69 | GR | | | |
| | 4.00 | | | 8.5 | 3.69 | GR | | | |
| | 4.25 | | | 8.45 | 3.59 | GR | | | |
| | 4.50 | | | 8.41 | 3.55 | GR | | | |
| | 4.75 | | | 8.37 | 3.51 | GR | | | |
| | 5.00 | | | 8.34 | 3.48 | GR | | | |

RECORD OF WATER LEVELS

Well No. PW

Project 80-83

Starting date of Test 3-16-80, 1100h

Stave: 456

| Time | | Water Level (ft.) | | | Draw-Down (ft) | Measured by | Adjustments | | Remarks |
|----------|-------|-------------------|-----|----------|----------------|-------------|-------------|--------------------|---------|
| (hr) | (min) | Held | Wet | Below MP | | | De-watering | Back-ground Levels | |
| RECOVERY | | | | | | | | | |
| | 6 | | | 8.20 | 3.34 | GR | | | |
| | 7 | | | 8.02 | 3.16 | | | | |
| | 8 | | | 7.93 | 3.07 | | | | |
| | 9 | | | 7.84 | 2.98 | | | | |
| | 10 | | | 7.79 | 2.98 | | | | |
| | 12 | | | 7.58 | 2.72 | | | | |
| | 14 | | | 7.44 | 2.58 | | | | |
| | 16 | | | 7.33 | 2.47 | | | | |
| | 18 | | | 7.24 | 2.38 | | | | |
| | 20 | | | 7.16 | 2.30 | | | | |
| | 25 | | | 6.99 | 2.11 | | | | |
| | 30 | | | 6.85 | 1.99 | | | | |
| | 35 | | | 6.76 | 1.90 | | | | |
| | 40 | | | 6.64 | 1.78 | | | | |
| | 45 | | | 6.54 | 1.68 | | | | |
| | 50 | | | 6.48 | 1.62 | | | | |
| 1 | 60 | | | 6.36 | 1.5 | | | | |
| | 70 | | | 6.25 | 1.39 | | | | |
| | 80 | | | 6.19 | 1.33 | | | | |
| | 90 | | | 6.14 | 1.28 | | | | |
| | 100 | | | 6.03 | 1.17 | | | | |
| 2 | 120 | | | 5.95 | 1.09 | | | | |
| | 150 | | | 5.80 | 0.94 | ✓ | | | |
| 3 | 180 | | | 5.74 | 0.88 | MK | | | |



RECORD OF WATER LEVELS

Well No. PW

Project 80-83

Starting Date of Test 3-16-80, 1100hrs
4.86

| Time (hr) | Hrs (min) | Water Level (ft) | | | Drawn Down (ft) | Measured by | Adjustments | | Remarks |
|-----------|-----------|------------------|-----|----------|-----------------|-------------|-------------|--------------------|---------|
| | | Held | Wet | Below MP | | | De-Watering | Back-ground Levels | |
| | RECOVERY | | | | 4.86 | | | | |
| | 4 | | | 5.61 | .75 | MK | | | |
| | 5 | | | 5.51 | .65 | MK | | | |
| | 6 | | | 5.44 | .58 | RB | | | |
| | 7 | | | 5.38 | .52 | RB | | | |
| | 8 | | | 5.32 | .46 | RB | | | |
| | 9 | | | 5.29 | .43 | RB | | | |
| | 10 | | | 5.26 | .40 | RB | | | |
| | 11 | | | 5.24 | .38 | RB | | | |
| | 12 | | | 5.19 | .33 | RB | | | |
| | 13 | | | — | — | | | | |
| | | | | 5.14 | .28 | RB | | | |
| | | | | 5.10 | .24 | HV | | | 0.100 |
| | | | | 5.05 | .22 | HV | | | |



GEE & JENSON

ENGINEERS-ARCHITECTS-PLANNERS, INC.

2019 OKEECHOBEE BOULEVARD, WEST PALM BEACH, FLORIDA . . . 33409 . . . 305 - 683-3301

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Director Emeritus
H. C. GEE, P.E.
THEODORE B. JENSON, P.E.

RECORD OF WATER LEVELS

Well No. 9-Dow-D1

Project 80-83

Location Martin Downs

Elevation _____ MSL Measuring Point _____

Distance to Pumped Well 97.5 feet Discharge _____ GPM

Total Depth _____ feet Cased Depth _____ feet Diameter _____ IN

Starting Date of Test 3-16-80

| Time | | Water Level (ft) | | | Draw-Down (ft) | Measured by | Adjustments | | SFWMD | Remarks |
|------|-------|------------------|------|----------|----------------|-------------|-------------|--------------------|--|--------------|
| (hr) | (min) | Held | Wet | Below MP | | | De-watering | Back-ground Levels | | |
| | 9:32 | 9.00 | 2.81 | | | JE | | | D. Padgett 10/15/86 K/rz (day/ft ²) | |
| | 10:13 | | | 6.21 | | L | | | Tape = 6.17 | M. Scope # 2 |
| | 10:25 | | | 6.22 | | | | | | |
| | 10:59 | | | 6.20 | | | | | | |
| | | | | | 6.20 | | | | | STATIC |
| | .25 | | | 6.85 | 0.65 | | 0.65 | | 1.83×10^{-8} | |
| | .50 | | | 6.96 | 0.78 | | 0.78 | | 3.65×10^{-8} | |
| | .75 | | | 7.22 | 1.02 | | 1.02 | | 5.48×10^{-8} | |
| | 1.00 | | | 7.42 | 1.22 | | 1.214 | | 7.31×10^{-8} | |
| | 1.25 | | | 7.64 | 1.44 | | 1.432 | | 9.13×10^{-8} | |
| | 1.50 | | | 7.75 | 1.55 | | 1.541 | | 1.12×10^{-7} | |
| | 1.75 | | | 7.73 | 1.73 | | 1.719 | | 1.28×10^{-7} | |
| | 2.00 | | | 8.01 | 1.81 | | 1.798 | | 1.46×10^{-7} | |
| | 2.25 | | | 8.17 | 1.97 | | 1.956 | | 1.64×10^{-7} | |
| | 2.50 | | | 8.28 | 2.06 | | 2.044 | | 1.83×10^{-7} | |
| | 2.75 | | | 8.91 | 2.16 | | 2.143 | | 2.01×10^{-7} | |

RECORD OF WATER LEVELS

Well No. 9-D

Project _____ Starting date of Test _____

| Time | | Water Level (ft.) | | | Draw-Down (ft) | Mea-sured by | Adjustments | | SFWM/D t/r^2 (day/A ²) | Remarks |
|------|-------|-------------------|-----|----------|----------------|--------------|-------------|--------------------|--|---------|
| (hr) | (min) | Held | Wet | Below MP | | | De-watering | Back-ground Levels | | |
| | 3.00 | | | 8.49 | 2.29 | JF | 2.271 | | 2.20×10^{-7} | |
| | 3.25 | | | 8.59 | 2.34 | / | 2.320 | | 2.37×10^{-7} | |
| | 3.50 | | | 8.63 | 2.43 | / | 2.408 | | 2.56×10^{-7} | |
| | 3.75 | | | 8.71 | 2.51 | / | 2.489 | | 2.74×10^{-7} | |
| | 4.00 | | | 8.78 | 2.58 | / | 2.555 | | 2.92×10^{-7} | |
| | 4.25 | | | 8.84 | 2.64 | / | 2.614 | | 3.10×10^{-7} | |
| | 4.50 | | | 8.91 | 2.71 | / | 2.683 | | 3.29×10^{-7} | |
| | 4.75 | | | 8.98 | 2.78 | / | 2.751 | | 3.47×10^{-7} | |
| | 5 | | | 9.03 | 2.83 | / | 2.800 | | 3.65×10^{-7} | |
| | 6 | | | 9.09 | 2.89 | / | 2.967 | | 4.38×10^{-7} | |
| | 7 | | | 9.17 | 3.17 | / | 3.133 | | 5.11×10^{-7} | |
| | 8 | | | 9.52 | 3.32 | / | 3.279 | | 5.84×10^{-7} | |
| | 9 | | | 9.64 | 3.44 | / | 3.396 | | 6.57×10^{-7} | |
| | 10 | | | 9.73 | 3.53 | / | 3.484 | | 7.31×10^{-7} | |
| | 12 | | | 9.90 | 3.70 | / | 3.619 | | 8.77×10^{-7} | |
| | 14 | | | 10.03 | 3.83 | / | 3.776 | | 1.02×10^{-6} | |
| | 16 | | | 10.14 | 3.94 | / | 3.883 | | 1.17×10^{-6} | |
| | 18 | | | 10.25 | 4.05 | / | 3.989 | | 1.31×10^{-6} | |
| | 20 | | | 10.34 | 4.14 | / | 4.077 | | 1.46×10^{-6} | |
| | 25 | | | 10.51 | 4.31 | / | 4.241 | | 1.83×10^{-6} | |
| | 30 | | | 10.64 | 4.44 | / | 4.367 | | 2.17×10^{-6} | |
| | 35 | | | 10.77 | 4.57 | / | 4.493 | | 2.56×10^{-6} | |

RECORD OF WATER LEVELS

Well No. 9-D

Project _____ Starting date of Test _____

6.20

| Time (hr) | (min) | Water Level (ft.) | | | Draw- Down (ft) | Mea- sured by | Adjustments | | SFVAD ft/ft ² day/ft ² | Remarks |
|--------------|-------|-------------------|-----|-------------|-----------------------|---------------------|----------------------|---------------------------|--|---------|
| | | Held | Wet | Below MP | | | De- water- ing | Back- ground Levels | | |
| | 40 | | | 10.85 | 4.65 | JE | 4.57 | | 2.12×10^{-6} | |
| | 45 | | | 10.98 | 4.78 | L | 4.695 | | 3.29×10^{-6} | |
| | 50 | | | 11.01 | 4.81 | | 4.724 | | 3.65×10^{-6} | |
| 1 | 60 | | | 11.11 | 4.91 | | 4.821 | | 4.38×10^{-6} | |
| | 70 | | | 11.21 | 5.01 | | 4.917 | | 5.11×10^{-6} | |
| | 80 | | | 11.30 | 5.10 | | 5.004 | | 5.84×10^{-6} | |
| | 90 | | | 11.36 | 5.16 | | 5.061 | | 6.57×10^{-6} | |
| | 100 | | | 11.42 | 5.22 | | 5.119 | | 7.31×10^{-6} | |
| 2 | 120 | | | 11.52 | 5.32 | | 5.215 | | 8.77×10^{-6} | |
| | 150 | | | 11.63 | 5.43 | | 5.321 | | 1.10×10^{-5} | |
| 3 | 180 | | | 11.71 | 5.51 | | 5.398 | | 1.31×10^{-5} | |
| 4 | 240 | | | 11.82 | 5.62 | HV | 5.503 | | 1.75×10^{-5} | |
| 5 | 300 | | | 11.90 | 5.70 | JF | 5.600 | | 2.19×10^{-5} | |
| 6 | 360 | | | 11.95 | 5.75 | | 5.628 | | 2.63×10^{-5} | |
| 7 | 420 | | | 12.07 | 5.87 | | 5.742 | | 3.07×10^{-5} | |
| 8 | 480 | | | 12.08 | 5.88 | | 5.757 | | 3.51×10^{-5} | |
| 9 | 540 | | | 12.15 | 5.95 | JF | 5.819 | | 3.94×10^{-5} | |
| 10 | 600 | | | 12.1 | 5.98 | JF | 5.848 | | 4.38×10^{-5} | |
| 11 | 660 | | | 12.19 | 5.99 | | 5.857 | | 4.82×10^{-5} | |
| 12 | 720 | | | 12.23 | 6.03 | JF | 5.895 | | 5.26×10^{-5} | |
| 13 | 780 | | | 12.25 | 6.05 | REJF | 5.914 | | 5.70×10^{-5} | |
| 14 | 840 | | | 12.26 | 6.06 | RE | 5.924 | | 6.14×10^{-5} | |

27
19

RECORD OF WATER LEVELS

Well No. 9D OW-10

Project _____

Starting date of Test _____

6.20

| Time | | Water Level (ft.) | | | Draw-Down (ft) | Measured by | Adjustments | | SF10MD A/r ² day/ft ² | Remarks |
|------|-------|-------------------|-----|----------|----------------|-------------|-------------|--------------------|---|---------|
| (hr) | (min) | Held | Wet | Below MP | | | De-watering | Back-ground Levels | | |
| 15 | 900 | | | 12.26 | 6.06 | RB | 5.924 | | 6.57x10 ⁻⁵ | |
| 16 | 960 | | | 12.27 | 6.07 | | 5.934 | | 7.01x10 ⁻⁵ | |
| 17 | 1020 | | | 12.27 | 6.07 | | 5.934 | | 7.45x10 ⁻⁵ | |
| 18 | 1080 | | | 12.27 | 6.07 | SN | 5.934 | | 7.87x10 ⁻⁵ | |
| 19 | 1140 | | | 12.28 | 6.08 | | 5.943 | | 8.33x10 ⁻⁵ | |
| 20 | 1200 | | | 12.31 | 6.11 | W/K | 5.972 | | 8.77x10 ⁻⁵ | |
| 21 | 1260 | | | 12.34 | 6.14 | W/K | 6.000 | | 9.20x10 ⁻⁵ | |
| 22 | 1320 | | | 12.33 | 6.13 | RB | 5.991 | | 9.61x10 ⁻⁵ | |
| 23 | 1380 | | | 12.34 | 6.14 | MA | 6.000 | | 1.01x10 ⁻⁴ | |
| 4 | 1440 | | | 12.34 | 6.14 | RB | 6.000 | | 1.05x10 ⁻⁴ | |
| 25 | 1500 | | | 12.35 | 6.15 | | 6.010 | | 1.10x10 ⁻⁴ | |
| 26 | 1560 | | | 12.35 | 6.15 | W/K | 6.010 | | 1.14x10 ⁻⁴ | |
| 27 | 1620 | | | 12.35 | 6.15 | HU | 6.010 | | 1.18x10 ⁻⁴ | |
| 28 | 1680 | | | 12.35 | 6.15 | HU | 6.010 | | 1.23x10 ⁻⁴ | |
| 29 | 1740 | | | 12.35 | 6.15 | HU | 6.010 | | 1.27x10 ⁻⁴ | |
| 30 | 1800 | | | 12.35 | 6.15 | HU | 6.010 | | 1.31x10 ⁻⁴ | |
| 31 | 1860 | 15 | | 12.37 | 6.17 | JF | 6.029 | | 1.36x10 ⁻⁴ | |
| 32 | 1920 | | | 12.38 | 6.18 | JF | 6.039 | | 1.40x10 ⁻⁴ | |
| 33 | 1980 | | | 12.39 | 6.19 | JF | 6.048 | | 1.45x10 ⁻⁴ | |
| 34 | 2040 | | | 12.40 | 6.20 | JF | 6.058 | | 1.49x10 ⁻⁴ | |
| 35 | 2100 | | | 12.41 | 6.21 | JF | 6.067 | | 1.53x10 ⁻⁴ | |
| 36 | 2160 | | | 12.42 | 6.22 | JF | 6.077 | | 1.58x10 ⁻⁴ | |

RECORD OF WATER LEVELS

Well No. 9-D 0w-01

Project _____ Starting date of Test _____

| Time | | Water Level (ft.) | | | Draw-Down (ft) | Mea-sured by | Adjustments | | SFWM/D $\frac{t}{r^2}$ day/ft ² | Remarks |
|------|-------|-------------------|-----|----------|----------------|--------------|-------------|--------------------|--|-----------------|
| (hr) | (min) | Held | Wet | Below MP | | | De-watering | Back-ground Levels | | |
| 37 | 2220 | | | 12.43 | 6.23 | R | 6.086 | | 1.62×10^{-4} | 1000 mld/day |
| 38 | 2280 | | | 12.43 | 6.23 | | 6.086 | | 1.67×10^{-4} | 1 |
| 39 | 2340 | | | 12.43 | 6.23 | | 6.086 | | 1.71×10^{-4} | 3 |
| 40 | 2400 | | | 12.42 | 6.22 | | 6.077 | | 1.75×10^{-4} | |
| 41 | 2460 | | | 12.42 | 6.22 | | 6.077 | | 1.80×10^{-4} | 4 |
| 42 | 2520 | | | 12.42 | 6.22 | | 6.077 | | 1.84×10^{-4} | |
| 43 | 2580 | | | 12.42 | 6.22 | | 6.077 | | 1.88×10^{-4} | 6 AW |
| 44 | 2640 | | | 12.42 | 6.22 | | 6.077 | | 1.93×10^{-4} | |
| 45 | 2700 | | | 12.42 | 6.22 | | 6.086 | | 1.97×10^{-4} | |
| 5 | 2760 | | | 12.43 | 6.23 | | 6.086 | | 2.02×10^{-4} | |
| 47 | 2820 | | | 12.44 | 6.24 | | 6.096 | | 2.06×10^{-4} | |
| 48 | 2880 | | | 12.44 | 6.24 | MK | 6.096 | | 2.10×10^{-4} | |
| 49 | 2940 | | | 12.45 | 6.25 | MK | 6.105 | | 2.15×10^{-4} | 12 NOV 77 |
| 50 | 3000 | | | 12.46 | 6.24 | MK | 6.096 | | 2.19×10^{-4} | 1 |
| 51 | 3060 | | | 12.42 | 6.22 | SN | 6.077 | | 2.24×10^{-4} | 2 |
| 52 | 3120 | | | 12.42 | 6.22 | SN | 6.077 | | 2.28×10^{-4} | |
| 53 | 3180 | | | 12.42 | 6.22 | MK | 6.077 | | 2.32×10^{-4} | 4 |
| 54 | 3240 | | | 12.43 | 6.23 | MK | 6.086 | | 2.37×10^{-4} | 6 |
| 55 | 3300 | | | 12.45 | 6.25 | MK | 6.105 | | 2.41×10^{-4} | 6 |
| 56 | 3360 | | | 12.47 | 6.27 | JF | 6.124 | | 2.45×10^{-4} | 7 ⁰⁰ |
| 57 | 3420 | | | 12.49 | 6.28 | JF | 6.134 | | 2.50×10^{-4} | 8 |
| 58 | 3480 | | | 12.51 | 6.30 | JF | 6.172 | | 2.54×10^{-4} | 9 |

3X

RECORD OF WATER LEVELS

Well No. 9-D ow-D1

Project _____

Starting date of Test _____

Static

| Time | | Water Level (ft.) | | | Draw-Down (ft) | Mea-sured by | Adjustments | | Remarks |
|----------|-------|-------------------|-----|----------|----------------|--------------|-------------|--------------------|----------------|
| (hr) | (min) | Held | Wet | Below MP | | | De-watering | Back-ground Levels | |
| RECOVERY | | | | 12.55 | 6.35 | ML | 6.201 | | 3/19/60 @ 1055 |
| | .25 | | | 12.21 | 6.01 | | 5.896 | | |
| | .50 | | | 11.82 | 5.62 | | 5.503 | | |
| | .75 | | | 11.58 | 5.38 | | 5.272 | | |
| | 1.00 | | | 11.35 | 5.15 | | 5.052 | | |
| | 1.25 | | | 11.13 | 4.93 | | 4.840 | | |
| | 1.50 | | | 10.89 | 4.69 | | 4.609 | | |
| | 1.75 | | | 10.74 | 4.54 | | 4.464 | | |
| | 2.00 | | | 10.53 | 4.33 | | 4.261 | | |
| | 2.25 | | | 10.39 | 4.19 | | 4.125 | | |
| | 2.50 | | | 10.35 | 4.15 | | 4.086 | | |
| | 2.75 | | | 10.28 | 4.08 | | 4.018 | | |
| | 3.00 | | | 10.21 | 4.01 | | 3.950 | | |
| | 3.25 | | | 10.16 | 3.96 | | 3.902 | | |
| | 3.50 | | | 10.10 | 3.90 | | 3.844 | | |
| | 3.75 | | | 10.04 | 3.84 | | 3.785 | | |
| | 4.00 | | | 9.98 | 3.78 | | 3.727 | | |
| | 4.25 | | | 9.93 | 3.73 | | 3.678 | | |
| | 4.50 | | | 9.89 | 3.69 | | 3.640 | | |
| | 4.75 | | | 9.84 | 3.65 | | 3.591 | | |
| | 5.00 | | | 9.78 | 3.59 | | 3.533 | | |

RECORD OF WATER LEVELS

Well No. 9-D 0w + 151

Project _____

Starting date of Test _____

Stake 6-2

| Time (hr) | (min) | Water Level (ft.) | | | Draw-Down (ft) | Meas-ured by | Adjustments | | Remarks |
|-----------|-------|-------------------|-----|----------|----------------|--------------|---------------|--------------------|---------|
| | | Held | Wet | Below MP | | | De-water- ing | Back-ground Levels | |
| | 6 | | | 9.62 | 3.45 | MK | 3.397 | | |
| | 7 | | | 9.45 | 3.25 | | 3.211 | | |
| | 8 | | | 9.34 | 3.11 | | 3.103 | | |
| | 9 | | | 9.24 | 3.01 | | 3.006 | | |
| | 10 | | | 9.15 | 2.95 | | 2.919 | | |
| | 12 | | | 8.99 | 2.79 | | 2.761 | | |
| | 14 | | | 8.85 | 2.65 | | 2.624 | | |
| | 16 | | | 8.73 | 2.53 | | 2.506 | | |
| | 18 | | | 8.64 | 2.44 | | 2.418 | | |
| | 20 | | | 8.55 | 2.35 | | 2.330 | | |
| | 25 | | | 8.37 | 2.17 | | 2.153 | | |
| | 30 | | | 8.24 | 2.04 | | 2.025 | | |
| | 35 | | | 8.12 | 1.92 | | 1.906 | | |
| | 40 | | | 8.01 | 1.81 | | 1.795 | | |
| | 45 | | | 7.92 | 1.74 | | 1.719 | | |
| | 50 | | | 7.86 | 1.68 | | 1.650 | | |
| 1 | 60 | | | 7.75 | 1.55 | | 1.541 | | |
| | 70 | | | 7.63 | 1.43 | | 1.422 | | |
| | 80 | | | 7.54 | 1.35 | | 1.333 | | |
| | 90 | | | 7.48 | 1.28 | | 1.274 | | |
| | 100 | | | 7.40 | 1.20 | | 1.195 | | |
| 2 | 120 | | | 7.32 | 1.12 | | 1.115 | | |
| | 150 | | | 7.23 | 0.99 | | 0.986 | | |
| 3 | 180 | | | 7.11 | 0.91 | | 0.907 | | |



GEE & JENSON

ENGINEERS-ARCHITECTS-PLANNERS, INC.

2019 OKEECHOBEE BOULEVARD, WEST PALM BEACH, FLORIDA... 33409... 305 - 683-3301

FRED A. GREENE, P.E.
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WALTER D. STEPHENS, JR., P.E.
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Director Emeritus
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RECORD OF WATER LEVELS

Well No. 11-D 0W-3D

Project 80-83 Location Martin Downs

Elevation _____ MSL Measuring Point _____

Distance to Pumped Well 51.8 ft feet Discharge _____

Total Depth _____ feet Cased Depth _____ feet Diameter _____

Starting Date of Test 3-16-80 Time 1100 hrs

4.73

| Time | | Water Level (ft) | | | Draw-Down (ft) | Measured by | Adjustments | | Remarks |
|------|-------|------------------|------|-------------------------|----------------|-------------|-----------------------|--------------------|--|
| (hr) | (min) | Held | Wet | Below MP | | | De-watering | Back-ground Levels | |
| | 937 | 8.00 | 3.33 | 4.67 | | 4U | | | SFM 10 D. Podgett 10/15/80 x/r ² (day / ft ²) steel tape |
| | 959 | | | 4.68 4.72 | - | RB | | | Tape / Mscope # |
| | 1015 | | | 4.69 4.76 | - | | | | tape / Mscope # |
| | 1026 | | | 4.72 | - | | | | Mscope # 4 |
| | 1055 | | | 4.73 | 4.73 | | | | STATIC |
| | .25 | | | 5.06 | 0.33 | | 4.0×10^{-9} | 0.33 | 6.47×10^{-8} |
| | .50 | | | 5.33 | 0.60 | | 1.3×10^{-3} | 0.60 | 1.29×10^{-7} |
| | .75 | | | 5.55 | .82 | | 2.4×10^{-3} | 0.82 | 1.94×10^{-7} |
| | 1.00 | | | 5.72 | .99 | | - | 0.99 | 2.59×10^{-7} |
| | 1.25 | | | 5.89 | 1.12 | | - | 1.12 | 3.24×10^{-7} |
| | 1.50 | | | 6.00 | 1.27 | | 5.97×10^{-3} | 1.26 | 3.88×10^{-7} |
| | 1.75 | | | 6.15 | 1.42 | | 7.46×10^{-3} | 1.41 | 4.53×10^{-7} |
| | 2.00 | | | 6.28 | 1.55 | | 7.9×10^{-3} | 1.54 | 5.18×10^{-7} |
| | 2.25 | | | 6.38 | 1.65 | | 1.0×10^{-2} | 1.64 | 5.82×10^{-7} |
| | 2.50 | | | 6.46 | 1.73 | | 1.11×10^{-2} | 1.72 | 6.47×10^{-7} |
| | 2.75 | | | 6.57 | 1.84 | ✓ | 1.25×10^{-2} | 1.83 | 7.12×10^{-7} |

RECORD OF WATER LEVELS

Well No. 11-D

Project 80-83

Starting date of Test 3-16-80, 1100 hrs.

4.73

| Time (hr) | (min) | Water Level (ft.) | | | Draw-Down (ft) | Measured by | Adjustments | | | SF WMP D. Padgett 10/15/86 Remarks t/r^2 (day/ft ²) |
|-----------|-------|-------------------|-----|----------|----------------|-------------|-----------------------|--------------------|------|--|
| | | Held | Wet | Below MP | | | De-watering | Back-ground Levels | | |
| | 3.00 | | | 6.65 | 1.92 | RB | 1.36×10^{-2} | | 1.91 | 7.76×10^{-7} |
| | 3.25 | | | 6.74 | 2.01 | | 1.5×10^{-2} | | 2.00 | 8.41×10^{-7} |
| | 3.50 | | | 6.83 | 2.10 | | 1.6×10^{-2} | | 2.08 | 9.06×10^{-7} |
| | 3.75 | | | 6.88 | 2.15 | | 1.7×10^{-2} | | 2.13 | 9.71×10^{-7} |
| | 4.00 | | | 6.95 | 2.22 | | 1.8×10^{-2} | | 2.20 | 1.04×10^{-6} |
| | 4.25 | | | 7.04 | 2.31 | | 1.97×10^{-2} | | 2.29 | 1.10×10^{-6} |
| | 4.50 | | | 7.09 | 2.36 | | 2.1×10^{-2} | | 2.34 | 1.16×10^{-6} |
| | 4.75 | | | 7.13 | 2.40 | | 2.1×10^{-2} | | 2.38 | 1.23×10^{-6} |
| | 5 | | | 7.20 | 2.47 | | 2.3×10^{-2} | | 2.45 | 1.29×10^{-6} |
| | 6 | | | 7.32 | 2.65 | | 2.6×10^{-2} | | 2.62 | 1.55×10^{-6} |
| | 7 | | | 7.54 | 2.81 | | 2.9×10^{-2} | | 2.78 | 1.81×10^{-6} |
| | 8 | | | 7.67 | 2.94 | | 3.2×10^{-2} | | 2.91 | 2.07×10^{-6} |
| | 9 | | | 7.78 | 3.05 | | 3.4×10^{-2} | | 3.02 | 2.33×10^{-6} |
| | 10 | | | 7.82 | 3.15 | | 3.6×10^{-2} | | 3.11 | 2.59×10^{-6} |
| | 12 | | | 8.05 | 3.32 | | 4.1×10^{-2} | | 3.29 | 3.11×10^{-6} |
| | 14 | | | 8.18 | 3.45 | | 4.4×10^{-2} | | 3.41 | 3.62×10^{-6} |
| | 16 | | | 8.30 | 3.57 | | 4.7×10^{-2} | | 3.52 | 4.14×10^{-6} |
| | 18 | | | 8.40 | 3.67 | | 4.9×10^{-2} | | 3.62 | 4.66×10^{-6} |
| | 20 | | | 8.49 | 3.76 | | 5.2×10^{-2} | | 3.71 | 5.18×10^{-6} |
| | 25 | | | 8.67 | 3.94 | | 5.7×10^{-2} | | 3.88 | 6.47×10^{-6} |
| | 30 | | | 8.81 | 4.07 | | 6.1×10^{-2} | | 4.01 | 7.76×10^{-6} |
| | 35 | | | 8.92 | 4.19 | V | 6.5×10^{-2} | | 4.13 | 9.06×10^{-6} |

RECORD OF WATER LEVELS

Well No. 11-D

Project 80-83

Starting date of Test 3-16-80, 1100 hrs

4.73

| Time | | Water Level (ft.) | | | Draw-Down (ft) | Meas-ured by | Adjustments | | Remarks |
|------|-------|-------------------|-----|----------|----------------|--------------|----------------------|--------------------|----------------------------|
| (hr) | (min) | Held | Wet | Below MP | | | De-water-ing | Back-ground Levels | |
| | 40 | | | 9.01 | 4.28 | RB | 6.7×10^{-2} | | 4.21 1.04×10^{-5} |
| | 45 | | | 9.08 | 4.35 | | 7.0×10^{-2} | | 4.28 1.16×10^{-5} |
| | 50 | | | 9.16 | 4.43 | | 7.3×10^{-2} | | 4.36 1.29×10^{-5} |
| 1 | 60 | | | 9.27 | 4.54 | | 7.6×10^{-2} | | 4.46 1.55×10^{-5} |
| | 70 | | | 9.37 | 4.64 | | 7.9×10^{-2} | | 4.56 1.81×10^{-5} |
| | 80 | | | 9.45 | 4.72 | | 8.2×10^{-2} | | 4.68 2.07×10^{-5} |
| | 90 | | | 9.52 | 4.79 | | 8.5×10^{-2} | | 4.71 2.33×10^{-5} |
| | 100 | | | 9.59 | 4.86 | | 8.7×10^{-2} | | 4.77 2.59×10^{-5} |
| 2 | 120 | | | 9.69 | 4.96 | ✓ | 9.1×10^{-2} | | 4.87 3.11×10^{-5} |
| | 150 | | | 9.80 | 5.07 | ↓ | 9.5×10^{-2} | | 4.98 3.58×10^{-5} |
| 3 | 180 | | | 9.89 | 5.16 | ✓ | 9.8×10^{-2} | | 5.06 4.66×10^{-5} |
| 4 | 240 | | | 10.00 | 5.27 | HV | .102 | | 5.17 6.21×10^{-5} |
| 5 | 300 | | | 10.07 | 5.34 | JF | .11 | | 5.26 7.76×10^{-5} |
| 6 | 360 | | | 10.12 | 5.39 | JF | .11 | | 5.28 9.32×10^{-5} |
| 7 | 420 | | | 10.18 | 5.45 | JF | .11 | | 5.34 1.09×10^{-4} |
| 8 | 480 | | | 10.24 | 5.51 | JF | .11 | | 5.40 1.24×10^{-4} |
| 9 | 540 | | | 10.29 | 5.57 | JF | .11 | | 5.46 1.40×10^{-4} |
| 10 | 600 | | | 10.33 | 5.60 | JF | .12 | | 5.48 1.55×10^{-4} |
| 11 | 660 | | | 10.36 | 5.63 | JF | .12 | | 5.51 1.71×10^{-4} |
| 12 | 720 | | | 10.39 | 5.66 | JF | .12 | | 5.54 1.86×10^{-4} |
| 13 | 780 | | | 10.41 | 5.67 | RB | .12 | | 5.55 2.02×10^{-4} |
| | 840 | | | 10.41 | 5.68 | RB | .12 | | 5.56 2.17×10^{-4} |

RECORD OF WATER LEVELS

Well No. 11-D

Project 80-83

Starting date of Test 3-16-80, 1100h

4.73

| Time | | Water Level (ft.) | | | Draw-Down (ft) | Mea-sured by | Adjustments | | SFWM | Remarks t/r^2 (day/ft ²) |
|------|-------|-------------------|-----|----------|----------------|--------------|-------------|--------------------|------|---|
| (hr) | (min) | Held | Wet | Below MP | | | De-watering | Back-ground Levels | | |
| 15 | 900 | | | 10.41 | 5.68 | RB | .12 | | 5.56 | 2.33×10^{-4} |
| 16 | 960 | | | 10.43 | 5.70 | | .12 | | 5.58 | 2.48×10^{-4} |
| 17 | 1020 | | | 10.44 | 5.70 | | .12 | | 5.58 | 2.64×10^{-4} |
| 18 | 1080 | | | 10.45 | 5.70 | | .12 | | 5.58 | 2.80×10^{-4} |
| 19 | 1140 | | | 10.46 | 5.71 | ↓ | .12 | | 5.59 | 2.95×10^{-4} |
| 20 | 1200 | | | 10.47 | 5.72 | | .12 | | 5.61 | 3.11×10^{-4} |
| 21 | 1260 | | | 10.47 | 5.74 | MK | .12 | | 5.62 | 3.26×10^{-4} |
| 22 | 1320 | | | 10.48 | 5.75 | MK | .12 | | 5.63 | 3.42×10^{-4} |
| 23 | 1380 | | | 10.48 | 5.75 | RB | .12 | | 5.63 | 3.57×10^{-4} |
| 24 | 1440 | | | 10.48 | 5.75 | RB | .12 | | 5.63 | 3.73×10^{-4} |
| 25 | 1500 | | | 10.48 | 5.75 | RB | .12 | | 5.63 | 3.88×10^{-4} |
| 26 | 1560 | | | 10.49 | 5.76 | MK | .12 | | 5.64 | 4.04×10^{-4} |
| 27 | 1620 | | | 10.49 | 5.76 | MK | .12 | | 5.64 | 4.19×10^{-4} |
| 28 | 1680 | | | 10.49 | 5.75 | MK | .12 | | 5.63 | 4.35×10^{-4} |
| 29 | 1740 | | | 10.49 | 5.76 | MK | .12 | | 5.64 | 4.50×10^{-4} |
| 30 | 1800 | | | 10.49 | 5.76 | JF | .12 | | 5.64 | 4.66×10^{-4} |
| 31 | 1860 | | | 10.50 | 5.77 | JF | .12 | | 5.65 | 4.81×10^{-4} |
| 32 | 1920 | | | 10.51 | 5.78 | JF | .12 | | 5.66 | 4.97×10^{-4} |
| 33 | 1980 | | | 10.52 | 5.81 | JF | .12 | | 5.68 | 5.12×10^{-4} |
| 34 | 2040 | | | 10.53 | 5.81 | JF | .12 | | 5.69 | 5.28×10^{-4} |
| 35 | 2100 | | | 10.54 | 5.82 | JF | .12 | | 5.70 | 5.44×10^{-4} |
| 6 | 2160 | | | 10.55 | 5.83 | JF | .13 | | 5.70 | 5.59×10^{-4} |

210
56-1
36-20 2031

RECORD OF WATER LEVELS

Well No. 11-D

Object 80-83

Starting date of Test 3-16-83, 1100h

| Time | | Water Level (ft.) | | | Draw-Down (ft) | Measured by | Adjustments | | SFWMΔ | Remarks t/r^2 (day/ft ²) |
|------|-------|-------------------|-----|----------|----------------|-------------|-------------|--------------------|-------|---|
| (hr) | (min) | Held | Wet | Below MP | | | De-watering | Back-ground Levels | | |
| 37 | 2220 | | | 10.47 | 5.80 | | .13 | | 5.71 | 5.75×10^{-4} |
| 38 | 2280 | | | 10.47 | 5.74 | | .13 | | 5.71 | 5.90×10^{-4} |
| 39 | 2340 | | | 10.47 | 5.74 | | .12 | | 5.69 | 6.06×10^{-4} |
| 40 | 2400 | | | 10.47 | 5.92 | | .12 | | 5.67 | 6.21×10^{-4} |
| 41 | 2460 | | | 10.47 | 5.75 | | .12 | | 5.69 | 6.37×10^{-4} |
| 42 | 2520 | | | 10.47 | 5.80 | | .12 | | 5.69 | 6.52×10^{-4} |
| 43 | 2580 | | | 10.44 | 5.84 | | .12 | | 5.68 | 6.68×10^{-4} |
| 44 | 2640 | | | 10.44 | 5.81 | | .12 | | 5.68 | 6.83×10^{-4} |
| 45 | 2700 | | | 10.44 | 5.71 | | .12 | | 5.68 | 6.99×10^{-4} |
| 46 | 2760 | | | 10.44 | 5.72 | | .12 | | 5.69 | 7.14×10^{-4} |
| 47 | 2820 | | | 10.50 | 5.82 | | .12 | | 5.69 | 7.30×10^{-4} |
| 48 | 2880 | | | 10.56 | 5.83 | | .13 | | 5.70 | 7.45×10^{-4} |
| 49 | 2940 | | | 10.57 | 5.84 | MK | .13 | | 5.71 | 7.61×10^{-4} 12 NOV |
| 50 | 3000 | | | 10.55 | 5.83 | MK | .13 | | 5.70 | 7.76×10^{-4} |
| 51 | 3060 | | | 10.55 | 5.83 | SN | .12 | | 5.69 | 7.92×10^{-4} |
| 52 | 3120 | | | 10.55 | 5.87 | SN | .12 | | 5.69 | 8.07×10^{-4} |
| 53 | 3180 | | | 10.51 | 5.82 | MK | .12 | | 5.67 | 8.23×10^{-4} |
| 54 | 3240 | | | 10.55 | 5.82 | MK | .12 | | 5.69 | 8.39×10^{-4} |
| 55 | 3300 | | | 10.58 | 5.85 | JF | .13 | | 5.72 | 8.54×10^{-4} |
| 56 | 3360 | | | 10.59 | 5.86 | GR | .13 | | 5.73 | 8.70×10^{-4} |
| 57 | 3420 | | | 10.61 | 5.86 | | .13 | | 5.75 | 8.85×10^{-4} |
| 3 | 3480 | | | 10.64 | 5.91 | GR | .13 | | 5.78 | 89.01×10^{-4} |

RECORD OF WATER LEVELS

Well No. OW-3D

Object 80-83

Starting date of Test 3-16-80, 1100 hrs

static 4.73

| Time (hr) | (min) | Water Level (ft.) | | | Draw-Down (ft) | Meas-ured by | Adjustments | | Remarks |
|-----------|-------|-------------------|-----|----------|----------------|--------------|--------------|--------------------|----------|
| | | Held | Wet | Below MP | | | De-water-ing | Back-ground Levels | |
| RECOVERY | | | | | | | | | 58-1-227 |
| | .25 | | | 17.46 | 5.73 | SN | 5.608 | | |
| | .50 | | | - | | | | | |
| | .75 | | | 9.25 | 5.22 | | 5.119 | | |
| | 1.00 | | | 9.28 | 4.95 | | 4.859 | | |
| | 1.25 | | | 9.51 | 4.78 | | 4.695 | | |
| | 1.50 | | | 9.35 | 4.63 | | 4.551 | | |
| | 1.75 | | | 9.22 | 4.49 | | 4.415 | | |
| | 2.00 | | | 8.73 | 4.33 | | 4.261 | | |
| | 2.25 | | | 8.79 | 4.21 | | 4.144 | | |
| | 2.50 | | | 8.85 | 4.12 | | 4.057 | | |
| | 2.75 | | | 8.79 | 4.02 | | 3.999 | | |
| | 3.00 | | | 8.71 | 3.92 | | 3.921 | | |
| | 3.25 | | | 8.65 | 3.82 | | 3.863 | | |
| | 3.50 | | | 8.52 | 3.75 | | 3.795 | | |
| | 3.75 | | | 8.52 | 3.72 | | 3.737 | | |
| | 4.00 | | | 8.45 | 3.63 | | 3.678 | | |
| | 4.25 | | | 8.40 | 3.57 | | 3.620 | | |
| | 4.50 | | | 8.36 | 3.52 | | 3.581 | | |
| | 4.75 | | | 8.31 | 3.58 | | 3.533 | | |
| | 5.00 | | | 8.25 | 3.53 | | 3.484 | | |

RECORD OF WATER LEVELS

Well No. 11-D (0W-3D)

Object 80-83

Starting date of Test 3-16-80, 1100 hrs

static 477

| Time (hr) | (min) | Water Level (ft.) | | | Draw-Down (ft) | Mea-sured by | Adjustments | | Remarks |
|-----------|-------|-------------------|-----|----------|----------------|--------------|-------------|--------------------|---------|
| | | Held | Wet | Below MP | | | De-watering | Back-ground Levels | |
| RECOVERY | | | | | | | | | |
| | 6 | | | 8.10 | 3.37 | SN | 3.328 | | |
| | 7 | | | 7.96 | 3.23 | | 3.191 | | |
| | 8 | | | 7.81 | 3.08 | | 3.045 | | |
| | 9 | | | 7.72 | 2.99 | | 2.957 | | |
| | 10 | | | 7.62 | 2.90 | | 2.859 | | |
| | 12 | | | 7.45 | 2.72 | | 2.693 | | |
| | 14 | | | 7.32 | 2.59 | | 2.565 | | |
| | 16 | | | 7.21 | 2.47 | | 2.459 | | |
| | 18 | | | 7.11 | 2.38 | | 2.359 | | |
| | 20 | | | 7.02 | 2.29 | | 2.271 | | |
| | 25 | | | 6.85 | 2.12 | | 2.103 | | |
| | 30 | | | 6.73 | 1.97 | | 1.956 | | |
| | 35 | | | 6.57 | 1.84 | | 1.827 | | |
| | 40 | | | 6.48 | 1.75 | | 1.739 | | |
| | 45 | | | 6.41 | 1.68 | | 1.670 | | |
| | 50 | | | 6.33 | 1.60 | | 1.591 | | |
| | 60 | | | 6.22 | 1.49 | | 1.482 | | |
| | 70 | | | 6.11 | 1.38 | | 1.373 | | |
| | 80 | | | 6.02 | 1.30 | | 1.294 | | |
| | 90 | | | 5.96 | 1.23 | | 1.224 | | |
| | 100 | | | 5.88 | 1.15 | | 1.145 | | |
| | 120 | | | 5.79 | 1.06 | J | 1.056 | | |
| | 150 | | | 5.67 | 0.94 | MK | 0.937 | | |
| | 180 | | | 5.55 | 0.82 | MK | 0.818 | | |



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RECORD OF WATER LEVELS

Well No. 12-S ow-15

Project 80-83 Location Martin Downs

Elevation _____ MSL Measuring Point _____

Distance to Pumped Well 23.5 feet Discharge 850 GPM

Total Depth _____ feet Cased Depth _____ feet Diameter _____ IN

Starting Date of Test 3-16-80 time 11 00 hrs

| Time | | Water Level (ft) | | | Draw-Down (ft) | Measured by | Adjustments | | Remarks |
|------|-------|------------------|------|-------------------------|----------------|-------------|-------------|--------------------|----------------|
| (hr) | (min) | Held | Wet | Below MP | | | De-watering | Back-ground Levels | |
| 09 | 29 | 9.00 | 2.87 | 6.23 | | HJ | | | steel tape |
| 09 | 57 | | | 6.23 6.24 | | RB | | | tape/Mscope #1 |
| 10 | 28 | | | 6.22 | | RB | | | |
| 11 | 00 | | | 6.22 | | HV | | | |
| | | | | | 6.22 | | | | STATIC |
| | .25 | | | | | | | | |
| | .50 | | | 6.09 | -0.13 | HV | | | |
| | .75 | | | 6.05 | -0.17 | HV | | | |
| | 1.00 | | | 6.04 | -0.18 | HV | | | |
| | 1.25 | | | 6.03 | -0.19 | HV | | | |
| | 1.50 | | | 6.03 | -0.19 | HV | | | |
| | 1.75 | | | 6.03 | -0.19 | HV | | | t s |
| | 2.00 | | | 6.03 | -0.19 | HV | ← Begin | | o |
| | 2.25 | | | 6.03 | -0.19 | HV | | | o |
| | 2.50 | | | 6.04 | -0.18 | HV | | 34 to 4 | .50 .01 |
| | 2.75 | | | 6.05 | -0.17 | HV | | | .75 .02 |

RECORD OF WATER LEVELS

Well No. 12-S

Object 80-83

Starting date of Test 3-16-80, 1100 hr

| Time | | Water Level (ft.) | | | Draw-Down (ft) | Mea-sured by | Adjustments | | Remarks |
|------|-------|-------------------|-----|----------|----------------|--------------|-------------|--------------------|----------|
| (hr) | (min) | Held | Wet | Below MP | | | De-watering | Back-ground Levels | |
| | 3.00 | | | 6.05 | -0.17 | HV | | | .02 |
| | 3.25 | | | 6.05 | -0.17 | HV | | | .02 |
| | 3.50 | | | 6.05 | -0.17 | HV | | | 1.50 .02 |
| | 3.75 | | | 6.06 | -0.16 | HV | | | 1.75 .03 |
| | 4.00 | | | 6.07 | -0.15 | HV | | | .04 |
| | 4.25 | | | 6.07 | -0.15 | HV | | | 2.25 .04 |
| | 4.50 | | | 6.08 | -0.14 | HV | | | 2.50 .05 |
| | 4.75 | | | 6.09 | -0.13 | HV | | | 2.75 .06 |
| | 5 | | | 6.10 | -0.12 | HV | | | 3.0 .07 |
| | 6 | | | 6.13 | -0.09 | HV | | | 4.0 .10 |
| | 7 | | | 6.16 | -0.06 | HV | | | .13 |
| | 8 | | | 6.21 | -0.01 | HV | | | .18 |
| | 9 | | | 6.22 | 0.01 | HV | | | 7.0 .20 |
| | 10 | | | 6.27 | 0.05 | HV | | | .24 |
| | 12 | | | 6.33 | 0.11 | HV | | | 10 .30 |
| | 14 | | | 6.38 | 0.16 | HV | | | |
| | 16 | | | 6.44 | 0.22 | HV | | | |
| | 18 | | | 6.48 | 0.26 | HV | | | |
| | 20 | | | 6.53 | 0.31 | HV | | | 18 .50 |
| | 25 | | | 6.62 | 0.40 | HV | | | |
| | 30 | | | 6.70 | 0.48 | HV | | | |
| | 35 | | | 6.78 | 0.56 | HV | | | |

RECORD OF WATER LEVELS

Well No. 12-S

Project 80-83

Starting date of Test 3-16-80, 1100hr

3.52

| Time | | Water Level (ft.) | | | Draw-Down (ft) | Mea-sured by | Adjustments | | Remarks |
|------|-------|-------------------|-----|----------|----------------|--------------|-------------|--------------------|----------|
| (hr) | (min) | Held | Wet | Below MP | | | De-watering | Back-ground Levels | |
| | 40 | | | 6.84 | 0.62 | HV | | | |
| | 45 | | | 6.89 | 0.67 | HV | | | t s |
| | 50 | | | 6.94 | 0.72 | HV | | | |
| 1 | 60 | | | 7.02 | 0.80 | HV | | | 58 .99 |
| | 70 | | | 7.08 | 0.86 | HV | | | |
| | 80 | | | 7.14 | 0.92 | HV | | | |
| | 90 | | | 7.18 | 0.96 | HV | | | |
| | 100 | | | 7.22 | 1.00 | HV | | | |
| 2 | 120 | | | 7.29 | 1.07 | RB | 1.00 | | |
| | 150 | | | 7.37 | 1.15 | RB | 1.44 | | |
| 3 | 180 | | | 7.43 | 1.21 | RB | 1.20 | | 178 1.30 |
| 4 | 240 | | | 7.51 | 1.29 | HV | 1.28 | | |
| 5 | 300 | | | 7.58 | 1.36 | JF | 1.35 | | |
| 6 | 360 | | | 7.62 | 1.40 | JF | 1.30 | | |
| 7 | 420 | | | 7.66 | 1.44 | JF | 1.43 | | |
| 8 | 480 | | | 7.68 | 1.46 | JF | 1.45 | | |
| 9 | 540 | | | 7.72 | 1.50 | JF | 1.49 | | 538 1.69 |
| 10 | 600 | | | 7.74 | 1.51 | JF | 1.51 | | 598 1.71 |
| 11 | 660 | | | 7.75 | 1.53 | JF | 1.52 | | |
| 12 | 720 | | | 7.77 | 1.55 | JF | 1.54 | | |
| 13 | 780 | | | 7.78 | 1.56 | RTJF | 1.55 | | |
| | 840 | | | 7.79 | 1.57 | RTJF | 1.56 | | |

RECORD OF WATER LEVELS

Well No. 12-S

Object 80-83

Starting date of Test 3-16-80, 1100h

6.22

| Time | | Water Level (ft.) | | | Draw-Down (ft) | Meas-ured by | Adjustments | | Remarks |
|------|-------|-------------------|-----|----------|----------------|--------------|--------------|--------------------|------------|
| (hr) | (min) | Held | Wet | Below MP | | | De-water-ing | Back-ground Levels | |
| 15 | 900 | | | 7.79 | 1.57 | RB | 1.56 | | |
| 16 | 960 | | | 7.80 | 1.58 | RB | 1.57 | | |
| 17 | 1020 | | | 7.81 | 1.59 | RB | 1.58 | | |
| 18 | 1080 | | | 7.82 | 1.60 | RB | 1.59 | | |
| 19 | 1140 | | | 7.83 | 1.61 | RB | 1.60 | | |
| 20 | 1200 | | | 7.77 | 1.61 | RB | 1.60 | | 1198. 1.80 |
| 21 | 1260 | | | 7.83 | 1.61 | MK | 1.60 | | |
| 22 | 1320 | | | 7.83 | 1.61 | MP | 1.60 | | |
| 23 | 1380 | | | 7.84 | 1.62 | RB | 1.61 | | |
| 24 | 1440 | | | 7.85 | 1.63 | RB | 1.62 | | |
| 25 | 1500 | | | 7.85 | 1.63 | MK | 1.62 | | |
| 26 | 1560 | | | 7.85 | 1.63 | MK | 1.62 | | |
| 27 | 1620 | | | 7.85 | 1.63 | MK | 1.62 | | |
| 28 | 1680 | | | 7.85 | 1.63 | MK | 1.62 | | |
| 29 | 1740 | | | 7.85 | 1.63 | MK | 1.62 | | |
| 30 | 1800 | | | 7.86 | 1.64 | MK | 1.63 | | |
| 31 | 1860 | MS | | 7.88 | 1.66 | JF | 1.65 | | |
| 32 | 1920 | | | 7.88 | 1.67 | JF | 1.66 | | |
| 33 | 1980 | | | 7.88 | 1.68 | JF | 1.67 | | |
| 34 | 2040 | | | 7.88 | 1.68 | JF | 1.68 | | |
| 35 | 2100 | | | 7.91 | 1.69 | JF | 1.68 | | |
| 5 | 2160 | | | 7.91 | 1.69 | JF | 1.68 | | |

RECORD OF WATER LEVELS

Well No. 12-S

Subject 80-83

Starting date of Test 3-16-80, 1100!

| Time | | Water Level (ft.) | | | Draw-Down (ft) | Meas-ured by | Adjustments | | Remarks |
|------|-------|-------------------|-----|----------|----------------|--------------|--------------|--------------------|----------|
| (hr) | (min) | Held | Wet | Below MP | | | De-water-ing | Back-ground Levels | |
| 37 | 2220 | | | 7.94 | 1.70 | RE 73 | 1.69 | | |
| 38 | 2280 | | | 7.92 | 1.72 | | 1.69 | | |
| 39 | 2340 | | | 7.90 | 1.75 | | 1.69 | | |
| 40 | 2400 | | | 7.92 | 1.73 | | 1.69 | | |
| 41 | 2460 | | | 7.90 | 1.75 | | 1.69 | | |
| 42 | 2520 | | | 7.90 | 1.75 | | 1.69 | | |
| 43 | 2580 | | | 7.90 | 1.75 | FB | 1.71 | | 258 1.90 |
| 44 | 2640 | | | 7.90 | 1.75 | 1 SF | 1.71 | | |
| 45 | 2700 | | | 7.94 | 1.72 | | 1.71 | | |
| 46 | 2760 | | | 7.91 | 1.72 | | 1.71 | | |
| 47 | 2820 | | | 7.90 | 1.72 | ↓ | 1.71 | | |
| 48 | 2880 | | | 7.94 | 1.72 | ↓ | 1.71 | | |
| 49 | 2940 | | | 7.95 | 1.73 | MK | 1.72 | | |
| 50 | 3000 | | | 7.94 | 1.72 | MK | 1.71 | | |
| 51 | 3060 | | | 7.95 | 1.73 | SN | 1.72 | | |
| 52 | 3120 | | | 7.95 | 1.72 | MK | 1.72 | | |
| 53 | 3180 | | | 7.95 | 1.73 | MK | 1.72 | | |
| 54 | 3240 | | | 7.95 | 1.73 | MK | 1.72 | | |
| 55 | 3300 | | | 7.97 | 1.75 | SF | 1.74 | | |
| 56 | 3360 | | | 7.97 | 1.75 | SB | 1.74 | | |
| 57 | 3420 | | | 8.00 | 1.78 | GB | 1.77 | | |
| 3 | 3480 | | | 8.00 | 1.78 | GI | 1.77 | | |

RECORD OF WATER LEVELS

Well No. 12-S

Project 80-83

Starting date of Test 3-16-80, 1100H

| Time | | Water Level (ft.) | | | Draw-Down (ft) | Measured by | Adjustments | | Remarks |
|------|-------|-------------------|-----|----------|----------------|-------------|-------------|--------------------|----------------|
| (hr) | (min) | Held | Wet | Below MP | | | De-watering | Back-ground Levels | |
| 59 | 3540 | | | 8.02 | 1.78 | G | 1.79 | | |
| 60 | 3600 | | | 8.01 | 1.79 | G.R | 1.78 | | |
| 61 | 3660 | | | 8.01 | 1.79 | JF | 1.78 | | 2480 2.00 |
| 62 | 3720 | | | 8.01 | 1.77 | G | 1.78 | | |
| 63 | 3780 | | | 8.01 | 1.79 | G | 1.78 | | |
| 64 | 3840 | | | 8.01 | 1.79 | G | 1.78 | | |
| 65 | 3900 | | | 8.01 | 1.79 | JF | 1.78 | | |
| 66 | 3960 | | | 8.01 | 1.79 | JF | 1.78 | | |
| 67 | 4020 | | | 8.02 | 1.50 | G.R | 1.79 | | |
| 68 | 4080 | | | 8.03 | 1.81 | JF | 1.80 | | 4078 2.00 |
| 69 | 4140 | | | 8.03 | 1.81 | G | 1.80 | | |
| 70 | 4200 | | | 8.04 | 1.82 | JF | 1.81 | | |
| 71 | 4260 | | | 8.05 | 1.83 | JF | 1.82 | 2.95 | 4258 2.00 2.02 |
| 72 | 4320 | | | 8.04 | 1.82 | H1 | 1.81 | | 1.89 |

RECORD OF WATER LEVELS

Well No. 12-S OW-15

Object 90-83

Starting date of Test 3-16-80, 1100 hrs

Static 6.22

| Time | | Water Level (ft.) | | | Draw-Down (ft) | Mea-sured by | Adjustments | | Remarks |
|----------|-------|-------------------|-----|----------|----------------|--------------|-------------|--------------------|---------|
| (hr) | (min) | Held | Wet | Below MP | | | De-watering | Back-ground Levels | |
| RECOVERY | | | | | | | | | |
| | 1055 | | | 8.04 | 1.92 | MV | | | |
| | .25 | | | 8.09 | 1.87 | | | | |
| | .50 | | | 8.17 | 1.79 | | | | |
| | .75 | | | 8.20 | 1.76 | | | | |
| | 1.00 | | | 8.22 | 2.00 | | | | |
| | 1.25 | | | 8.22 | 2.00 | | | | |
| | 1.50 | | | 8.22 | 2.00 | | | | |
| | 1.75 | | | 8.23 | 2.01 | | | | |
| | 2.00 | | | 8.23 | 2.01 | | | | |
| | 2.25 | | | 8.23 | 2.01 | | | | |
| | 2.50 | | | 8.22 | 2.00 | | | | |
| | 2.75 | | | 8.00 | 1.78 | | | | |
| | 3.00 | | | 8.19 | 1.97 | | | | |
| | 3.25 | | | 8.18 | 1.96 | | | | |
| | 3.50 | | | 8.17 | 1.95 | | | | |
| | 3.75 | | | 8.16 | 1.94 | | | | |
| | 4.00 | | | 8.16 | 1.94 | | | | |
| | 4.25 | | | 8.15 | 1.93 | | | | |
| | 4.50 | | | 8.15 | 1.93 | | | | |
| | 4.75 | | | 8.14 | 1.92 | | | | |
| | 5.00 | | | 8.12 | 1.90 | | | | |

6.12

RECORD OF WATER LEVELS

Well No. 12-S

Subject 80-83

Starting date of Test 3-16-80, 1100

| Time | | Water Level (ft.) | | | Draw-Down (ft) | Mea-sured by | Adjustments | | Remarks |
|------|-------|-------------------|-----|----------|----------------|--------------|--------------|--------------------|---------|
| (hr) | (min) | Held | Wet | Below MP | | | De-water-ing | Back-ground Levels | |
| | 6 | | | 8.09 | 1.87 | HV | | | |
| | 7 | | | 8.06 | 1.84 | | | | |
| | 8 | | | 8.03 | 1.81 | | | | |
| | 9 | | | 7.99 | 1.77 | | | | |
| | 10 | | | 7.95 | 1.73 | | | | |
| | 12 | | | 7.90 | 1.68 | | | | |
| | 14 | | | 7.84 | 1.62 | | | | |
| | 16 | | | 7.79 | 1.57 | | | | |
| | 18 | | | 7.74 | 1.52 | | | | |
| | 20 | | | 7.70 | 1.48 | | | | |
| | 25 | | | 7.60 | 1.38 | | | | |
| | 30 | | | 7.52 | 1.30 | | | | |
| | 35 | | | 7.45 | 1.23 | | | | |
| | 40 | | | 7.38 | 1.16 | | | | |
| | 45 | | | 7.34 | 1.12 | | | | |
| | 50 | | | 7.29 | 1.07 | | | | |
| 1 | 60 | | | 7.21 | 0.99 | | | | |
| | 70 | | | 7.14 | 0.92 | | | | |
| | 80 | | | 7.10 | 0.88 | | | | |
| | 90 | | | 7.04 | 0.82 | | | | |
| | 100 | | | 7.00 | 0.78 | | | | |
| | 120 | | | 6.94 | 0.72 | | | | |
| | 150 | | | 6.85 | 0.63 | MK | | | |
| 3. | 180 | | | 6.80 | 0.58 | MK | | | |



RECORD OF WATER LEVELS

Well No. 12-S

Project 80-83 Martin Downs

Starting Date of Test 3-16-80, time 1100 hrs.
6.22

| Time | | Water Level (ft) | | | Drawn-Down (ft) | Meas-ured by | Adjustments | | Remarks |
|------|-----------|------------------|-----|----------|-----------------|--------------|--------------|--------------------|---------|
| (hr) | hrc (min) | Held | Wet | Below MP | | | De-Water-ing | Back-ground Levels | |
| | RECOVERY | | | | 6.22 | | | | |
| | 4 | | | 6.74 | .52 | HK | | | |
| | 5 | | | 6.69 | .47 | GR | | | 1600 |
| | 6 | | | 6.66 | .44 | RB | | | |
| | 7 | | | 6.62 | .40 | | | | |
| | 8 | | | 6.59 | .37 | | | | |
| | 9 | | | 6.57 | .35 | | | | |
| | 10 | | | 6.55 | .33 | | | | |
| | 11 | | | 6.54 | .32 | | | | |
| | 12 | | | 6.52 | .30 | | | | |
| | 13 | | | — | — | | | | |
| | | | | 6.51 | .29 | SN | | | |
| | | | | 6.46 | .24 | HV | | | 0400 |
| | | | | 6.45 | .23 | HV | | | 0600 |



GEE & JENSON...

ENGINEERS-ARCHITECTS-PLANNERS, INC.

2019 OKEECHOBEE BOULEVARD, West Palm Beach, Florida . . . 33409 . . . (305) 683-3301

RECORD OF WATER LEVELS

Well No. 3-D

Project FD-83 Manton Downs Location rainstrip road at Berry Cr.

Altitude 17.66 feet above MSL Pumped Well No. _____

Distance to pumped well 3750.2 feet Average discharge _____ gpm

Measuring point (MP) is top of 2 1/2" casing

| Date | Hour | Water level (feet) | | | | Measured by | Remarks | |
|---------|--------|----------------------|-------|----------|----------|-------------|---------------------|------------|
| | | Held | Wet | Below MP | Drawdown | | | |
| 3/13/00 | @ 1120 | 10.00 | 7.75 | 7.25 | | MK | static M/score #3 | |
| 3/14/00 | @ 1035 | 10.00 | 3.50 | 6.50 | | MK | static M/score #3 | |
| 3/15/00 | @ 0847 | 0.00 | 3.56 | 6.44 | | MK | static " | |
| " | @ 1721 | | | 6.67 | | SN | static " | |
| 3/16/00 | @ 1005 | 7.70 | 0.54 | 6.46 | 0.00 | SN | static (steel tape) | |
| " | @ 1550 | 0450 ²⁹⁰ | 15.00 | 7.21 | 6.79 | 0.33 | JF | steel pipe |
| " | @ 1610 | 0510 ³¹⁰ | 8.00 | 1.21 | 6.79 | 0.33 | JF | |
| " | @ 1825 | 0725 ⁴⁴⁵ | 8.00 | 1.11 | 6.89 | 0.43 | JF | |
| " | @ 2025 | 0935 ⁵³⁵ | 7.00 | 2.01 | 6.99 | 0.53 | JF | |
| 3/17/00 | @ 0415 | 1315 ⁷⁰⁵ | 6.00 | 0.93 | 7.07 | 0.61 | RB/EN | |
| " | @ 0415 | 1715 ¹⁰⁰⁵ | | | 7.02 | 0.56 | RB/EN | |
| " | @ 0625 | 1925 ¹¹⁶⁵ | | | 7.03 | 0.57 | RB/EN | |
| " | @ 0835 | 2135 ¹²⁴⁵ | | | 7.16 | 0.70 | RB | |
| " | @ 1045 | 2305 ¹³⁶⁵ | | | 7.19 | 0.73 | MK | |
| " | @ 1200 | 2500 ¹⁵⁰⁰ | | | 7.19 | 0.73 | RB | |
| " | @ 1220 | 2520 ¹⁵²⁰ | 8.00 | 0.77 | 7.18 | 0.72 | SN | |
| " | @ 1410 | 2710 ¹⁶³⁰ | 8.00 | 0.82 | 7.18 | 0.72 | MK | |
| " | @ 1435 | 2915 ¹⁷⁵⁵ | 8.00 | 0.82 | 7.18 | 0.72 | HI | |
| " | @ 1705 | 3205 ¹⁹³⁵ | 11.90 | 3.77 | 7.21 | 0.75 | JF | |
| 3/18/00 | @ 0155 | 3055 ⁵²³⁰ | 8.00 | 1.13 | 7.27 | 0.81 | JF | |



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ENGINEERS-ARCHITECTS-PLANNERS, INC.

2019 OKEECHOBEE BOULEVARD, West Palm Beach, Florida . . . 33409 . . . (305) 683-3301

RECORD OF WATER LEVELS

Well No. 4-0

Project EC-83 Martin Downs Location NW corner of property

Altitude 18.42 feet above MSL Pumped Well No. _____

Distance to pumped well 3226.6 feet Average discharge _____ gpm

Measuring point (MP) is top of 2 1/2" casing

| Date | Hour | Water level (feet) | | | | Measured by | Remarks |
|-----------------|---------------------|--------------------|------|----------|----------|-------------|------------|
| | | Held | Wet | Below MP | Drawdown | | |
| 3/15/80 @ 17:16 | | | | 6.95 | | SN | |
| 3/16/80 @ 11:20 | | | | 6.9 | | SN | 18.42 |
| " @ 15:45 | 04:45 | 8 | 0.09 | 6.91 | 0.01 | JF | 6.91 |
| " @ 18:32 | 07:32 ⁴⁵ | 9 | 2.05 | 6.95 | 0.05 | JF | 11.51 NGVD |
| " @ 20:39 | 09:29 ⁵⁰ | 8 | 1.01 | 6.99 | 0.09 | JF | |
| 3/17/80 @ 24:20 | 13:20 ⁰⁰ | 8 | 0.92 | 7.08 | 0.18 | SN | |
| " @ 04:20 | 17:20 ⁴⁰ | 7 | 0.82 | 7.18 | 0.28 | RB | |
| " @ 06:10 | 19:30 ¹⁰ | | | 7.12 | 0.22 | MK | |
| " @ 08:38 | 21:38 ²⁰ | | | 7.02 | 0.12 | RB | |
| " @ 10:18 | 23:10 | | | 7.02 | 0.12 | SN | |
| " @ 12:10 | 25:00 ⁵⁰ | | | 7.07 | 0.17 | MK | |
| " @ 14:20 | 25:20 ⁵⁰ | 8.00 | 0.90 | 7.10 | 0.20 | JF | |
| " @ 14:15 | 27:15 ¹⁵ | 8.00 | 0.92 | 7.08 | 0.18 | | |
| " @ 16:05 | 29:05 ⁴⁵ | 8.00 | 0.88 | 7.12 | 0.22 | | |
| " @ 17:50 | 32:50 ¹⁵ | 7.00 | 1.88 | 7.12 | 0.22 | | |
| 3/18/80 @ 01:00 | 38:30 ²⁰ | 7.00 | 0.81 | 7.19 | 0.29 | | |
| " @ 16:00 | 43:00 | 8.00 | 0.82 | 7.18 | 0.28 | | |
| " @ 18:05 | 45:05 | | | 7.17 | 0.27 | | |
| " @ 19:05 | 47:05 | | | 7.19 | 0.29 | ↓ | |
| " @ 21:05 | 49:05 ²⁰ | 8.00 | 0.80 | 7.20 | 0.30 | MK | |



GEE & JENSON...

ENGINEERS-ARCHITECTS-PLANNERS, INC.

2019 OKEECHOBEE BOULEVARD, West Palm Beach, Florida . . . 33409 . . . (305) 683-3301

RECORD OF WATER LEVELS

Well No. 4-D

Project 80-83 Location _____

Altitude _____ feet above MSL Pumped Well No. _____

Distance to pumped well _____ feet Average discharge _____ gpm

Measuring point (MP) is _____

| Date | Hour | Water level (feet) | | | | Mea- sured by | Remarks | |
|----------------------------------|--------|--------------------|-------|-------------|----------|---------------------|---------|------------|
| | | Held | Wet | Below MP | Drawdown | | | |
| 2/16/80 | @ 1417 | 5117 | 8.00 | 0.81 | 7.19 | 0.29 | MK | |
| " | @ 1610 | 5310 | 8.00 | 0.80 | 7.20 | 0.30 | MK | |
| " | @ 1825 | 5525 | 9.00 | 1.75 | 7.25 | 0.35 | TF | |
| 3/1/80 | @ 2400 | 6100 | | | 7.32 | 0.42 | GR | |
| " | @ 2600 | 6700 | 9.00 | 1.69 | 7.31 | 0.41 | | |
| " | @ 2815 | 6915 | 12.00 | 4.69 | 7.31 | 0.41 | | |
| " | @ 1000 | 7100 ⁴⁸ | 9.00 | 1.66 | 7.34 | 0.44 | | |
| " | @ 1035 | 7135 ⁴⁸ | 9.00 | 1.65 | 7.35 | 0.45 | ↓ | |
| Recover stay 3/19/80 @ 1100 hrs. | | | | | | | | |
| 3/1/80 | @ 1200 | 0100 | 8.00 | 0.62 | 7.38 | 0.46 | MK | |
| " | @ 1305 | 0205 | 9.00 | 1.63 | 7.37 | 0.47 | MK | |
| " | @ 1400 | 0300 | | | 7.24 | 0.34 | GR | M-scope #1 |
| " | @ 1500 | 0400 | | | 7.25 | 0.35 | MK | " |
| " | @ 1600 | 0500 | | | 7.10 | 0.20 | RB | " |
| " | @ 1700 | 0700 | | | 7.02 | 0.08 | I | " |
| " | @ 2100 | 1000 | | | 6.99 | 0.09 | ↓ | " |
| 3/2/80 | @ 0200 | 1500 | | | 6.97 | 0.07 | SN | " |
| " | @ 0630 | 1930 | | | 6.49 | -0.41 | SN | " |
| " | @ 1017 | 2317 | | | 6.81 | -0.09 | RB | |
| " | @ 1300 | 2600 | | | 6.79 | -0.11 | RB | |



475¹

Staff Gage Readings Martin Downs 80-83

| Staff Gage One (Sg1) | | | | Staff Gage Two (Sg2) | | | | Staff Gage Three (Sg3) | | | |
|----------------------|------|--------------------------|-------------|----------------------|------|--------------------------|-------------|------------------------|------|--------------------------|-------------|
| Date | Hour | Water Level (ft.) | Measured by | Date | Hour | Water Level (ft.) | Measured by | Date | Hour | Water Level (ft.) | Measured by |
| 3-12-80 | 1320 | 0.92 <i>installed</i> | SN | 3-12-80 | 1318 | 0.50 <i>installed</i> | SN | 3-12-80 | 1528 | 0.75 <i>installed</i> | SN |
| 3-13-80 | 1050 | 1.20 | MK | 3-13-80 | 1052 | 3.13 | MK | 3-13-80 | 1057 | 0.74 | MK |
| 3-14-80 | 1020 | 1.15 | MK | 3-14-80 | 1030 | 2.78 | MK | 3-14-80 | 1040 | 0.70 | MK |
| 3-15-80 | 0934 | 0.76 | MK | 3-15-80 | 0937 | 2.39 | MK | 3-15-80 | 0823 | 0.67 | MK |
| | 1707 | 0.77 | SN | | 1705 | 2.40 | SN | | 1758 | 0.66 | SN |
| 3-16-80 | 0951 | 0.80 | SN | 3-16-80 | 0946 | 2.42 | SN | 3-16-80 | 1010 | 0.64 | SN |
| | 1155 | 0.80 | SN | | 1157 | 2.41 | JF | | 1500 | 0.62 | SN |
| | 1500 | 0.79 | HV | | 1500 | 2.41 | HV | | 1915 | 0.61 | JF |
| | 1500 | 0.78 | JF | | 1600 | 2.40 | JF | | | | |
| | 1700 | 0.79 | JF | | 1700 | 2.40 | JF | | | | |
| | 1800 | 0.78 | JF | | 1800 | 2.41 | JF | | | | |
| | 2300 | 0.77 | JF | | 2300 | 2.41 | JF | | | | |
| | 2400 | 0.78 | JF | | 2400 | 2.40 | JF | | | | |
| 3-17-80 | 0127 | 0.78 | RB | 3-17-80 | 2110 | 2.40 | RB | 3-17-80 | 2420 | 0.61 | RB |
| | 0200 | 0.78 | RB | | 2200 | 2.40 | RB | | 0427 | 0.61 | RB/SN |
| | 0300 | 0.77 | RB | | 2300 | 2.40 | RB | | 0635 | 0.61 | RB/SN |
| | 0400 | 0.77 | RB | | 2400 | 2.40 | RB | | 1100 | 0.61 | IAK |
| | 0500 | 0.77 | RB | | 2500 | 2.40 | RB | | 1420 | 0.60 | MK |
| | 0600 | 0.77 | RB | | 2600 | 2.40 | RB | | 1600 | 0.60 | MK |
| | 0700 | 0.77 | RB | | 2700 | 2.40 | RB | | 1930 | 0.60 | TF |
| | 0800 | 0.77 | MK | | 2800 | 2.40 | MK | | | | |
| | 0900 | 0.77 | RB | | 0900 | 2.39 | RB | | | | |

0.03

2.42
2.39

0.04 drop



852

Staff Gage Readings Martin Downs 80-83

| Staff Gage One (ft) | | | | Staff Gage Two (ft) | | | | Staff Gage Three (ft) | | | |
|---------------------|------|------------------|-------------|---------------------|------|------------------|-------------|-----------------------|------|------------------|-------------|
| Date | Hour | Water Level (ft) | Measured by | Date | Hour | Water Level (ft) | Measured by | Date | Hour | Water Level (ft) | Measured by |
| 3-17-80 | 1200 | 0.76 | RB | 3-17-80 | 1000 | 2.39 | RB | | | | |
| | 1100 | 0.76 | RB | | 1100 | 2.39 | RB | | | | |
| | 1200 | 0.76 | MK | | 1201 | 2.38 | MK | | | | |
| | 1200 | 0.75 | MK | | 1310 | 2.38 | HV | | | | |
| | 1400 | 0.75 | HV | | 1400 | 2.38 | HV | | | | |
| | 1600 | 0.75 | HV | | 1600 | 2.38 | HV | | | | |
| | 2010 | 0.74 | JF | | 2010 | 2.37 | JF | | | | |
| 3-18-80 | 2400 | 0.74 | RB | 3-18-80 | 2400 | 2.36 | RB | 3-18-80 | 0600 | 0.59 | RB |
| | 1100 | 0.74 | RB | | 0100 | 2.36 | RB | | 0945 | 0.59 | MK |
| | 0200 | 0.73 | RB | | 0200 | 2.36 | RB | | 1250 | 0.59 | MK |
| | 0300 | 0.73 | RB | | 0300 | 2.36 | RB | | 1400 | 0.58 | MK |
| | 2400 | 0.73 | RB | | 0400 | 2.35 | RB | | 1730 | 0.58 | MK |
| | 0500 | 0.72 | RB | | 0500 | 2.35 | RB | | 1930 | 0.58 | JF |
| | 1600 | 0.72 | RB | | 1600 | 2.35 | RB | | | | |
| | 1700 | 0.72 | RB | | 1700 | 2.34 | RB | | | | |
| | 1800 | 0.71 | RB | | 1800 | 2.34 | RB | | | | |
| | 0900 | 0.71 | RB | | 1900 | 2.34 | RB | | | | |
| | 1000 | 0.70 | RB | | 1000 | 2.33 | RB | | | | |
| | 1100 | 0.70 | RB | | 1100 | 2.33 | RB | | | | |
| | 1215 | 0.70 | MK | | 1215 | 2.33 | MK | | | | |
| | 1425 | 0.69 | MK | | 1200 | 2.33 | MK | | | | |
| | 1505 | 0.69 | MK | | 1500 | 2.33 | MK | | | | |

Staff Gage Readings

Martin Downs 80-83

| Staff Gage One (601) | | | | Staff Gage Two (62) | | | | Staff Gage Three (63) | | | | |
|----------------------|------|-------------------|-------------|---------------------|---------|-------------------|-------------|-----------------------|---------|-------------------|-------------|----|
| Date | Hour | Water Level (ft.) | Measured by | Date | Hour | Water Level (ft.) | Measured by | Date | Hour | Water Level (ft.) | Measured by | |
| 3-18-80 | 2010 | 0.69 | JF | 3-18-80 | 1600 | 2.33 | MK | | | | | |
| | 2110 | 2.68 | GR | 2010 | | 2.32 | JF | | | | | |
| | | | | 2110 | | 2.31 | GR | | | | | |
| 3-18-80 | 2120 | 0.67 | GR | 3-19-80 | 0100 | 2.30 | GR | 3-19-80 | 1711 | 2.56 | GR | |
| | 1320 | 0.66 | JF | | 0300 | 2.30 | JF | | 1710 | 0.55 | JF | |
| | 0550 | 0.66 | JF | | 0500 | 2.29 | JF | | 1800 | 2.54 | RB | |
| | 0730 | 0.66 | GR | | 0730 | 2.28 | GR | | | | | |
| | 0905 | 0.64 | GR | | 0905 | 2.28 | GR | | | | | |
| | 1500 | 0.64 | MK | | 1200 | 2.28 | MK | | | | | |
| | 1530 | 0.64 | GR | | 1500 | 2.26 | GR | | | | | |
| | 1600 | 0.64 | RB | | 1600 | 2.27 | RB | | | | | |
| | 1700 | 0.64 | ↓ | | 1700 | 2.27 | | | | | | |
| | 1800 | 0.63 | | | | 1800 | 2.27 | | | | | |
| | 1900 | 0.64 | | | | 1900 | 2.27 | | | | | |
| | 2000 | 0.64 | | | | 2100 | 2.27 | | | | | |
| | 2100 | 0.64 | | | | 2300 | 2.27 | | | | | |
| | 2200 | 0.64 | | | | | | | | | | |
| | 2300 | 0.64 | | | | | | | | | | |
| 3-20-80 | 0200 | 0.64 | | SN | 3-20-80 | 0200 | 2.27 | SN | 3-20-80 | 1036 | 2.54 | RB |
| | 0600 | 0.64 | | SN | | 0600 | 2.27 | SN | | 1220 | 2.55 | RB |
| | 1005 | 0.65 | | RB | | 1004 | 2.28 | RB | | | | |
| | 1247 | 0.65 | RB | | 1248 | 2.28 | RB | | | | | |

Field Data For Martin Downs Aquifer
Test, 8/16/80, Consultant Report
~~Martin Co~~ Martin County C#3
very good data!

Unknown author, ~~HYDROLOGY STUDY~~
~~FOR~~ MARTIN DOWN HYDROLOGICAL
STUDIES for FIRST SOUTHERN
HOLDINGS, INC. ~~April 1980~~ as found in
MARTIN DOWNS APPLICATION FOR
WATER USE PERMIT, April 1980,
Consultant Report Martin County C#4,
Gee + Jensen, West Palm Beach.

10 deep wells drilled -140'
8 shallow 30-60'

cuttings descriptions for Obs wells

geologic X section

regional
@ 15-50' fine grained silica sd w/ hardpan ^{hardpan 10-15'}
25 ft of marl in the above sec in
eastern wells
40'-75' of sandy shell, phosphatic + carbonate
silica sd w/ lenses of well lithified grey
LS
45' of ~~to~~ fossil lith LS. major water
~~side~~ unit
@ ~130' hit ~~dry~~ silty ~~dry~~ sd. olive green
Top of Hawthorn

Pump Test

Prod well

TD=140 (Hawthorn) screened 100-140

prob only 20' open to aquifer

deep obs well

TD=140' screened 80'-140'

shallow obs well

TD=27' screened 7'-27'

drawdown in far OW-3D > drawdown in near OW-1D

shallow obs well max d.d. = 1.81'

deep obs well OW-3D = 6.2'

Analysis

Hantush-Jacob method

Non-steady flow in semi-confined aquifer

w/ no water from aquitard storage

Reference

Lohman, J.W., GROUND-WATER

HYDRAULICS, 1979, Geological Survey

Prof. Paper 708, p. 30.

OW 1-D

$T = 86,197$ gpd/ft

$S = 0.0085$

aquitard thickness

= 15' hardpan + marl (ass.)

$L = 10287$ g/d/ft³

OW 3-D

$T = 86,548$ gpd/ft

$S = 0.0037$

$L = 0.187$ g/d/ft³

Hantush Method I

same assumptions

Reference

Kruseman, G. P. and N. A. De Ridder,
ANALYSIS AND EVALUATION OF
PUMPING TEST DATA, 1970, International
Institute for Land Reclamation & Improvement
ILRI, Wageningen, The Netherlands, p 84

OW 1-D
assum aquifer thickness = 15'
hard pan + marl (Av)

$$T = 87,632 \text{ GPD/FT}$$

$$S = .00078$$

$$L = .0328 \text{ GPD/FT}^3$$

OW 3-D

$$T = 89,675 \text{ GPD/FT}$$

$$S = .0038$$

$$L = .151 \text{ GPD/FT}^3$$

Average Values, Both Methods,
Both Wells

$$T = 88,013 \text{ GPD/FT}$$

$$S = .0023$$

$$L = .100 \text{ GPD/FT}^3$$

0W 1D $r = 97.5$

Handbook S1 INFLE

$T = 90,000 \text{ gpd/ft} , 12032 \text{ ft}^2/\text{day}$

$S = 0.011$

$t = 1 \text{ day}_1 , 3 \text{ days}_2$

$$u_p = \frac{r^2 S}{4KD t_1} = .00217$$

$$= .00072$$

$$w(u_p, r/L) = 5.18$$

$$5.69$$

$$\alpha = \frac{114.6 Q w(u, r/L)}{T} = 5.69$$

$$= 6.15$$

0W-3D $r = 51.8$

$$u_p = .0006$$

$$.0002$$

$$w(u_p, r/L) = 6.45$$

$$6.42$$

$$\alpha = 6.65$$

$$6.95$$

3-D $r = 3750.2$

$$u_p =$$

$$1.07$$

$$w(u_p, r/L) =$$

$$0.216$$

$$\alpha =$$

$$.23$$

~~4-D $r = 3226.7$~~

~~$$u_p =$$~~

~~$$.49$$~~

~~$$w(u_p, r/L) =$$~~

~~$$\alpha =$$~~



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JOHN C. WISE, P.E.

Director Emeritus
H. C. GEE, P.E.
THEODORE B. JENSON, P.E.

RECORD OF WATER LEVELS

Well No. OW-20

Project 80-83 Martin Downs Location airstrip - south end (observation)

Elevation 17.84 MSL Measuring Point top of 2 1/2" casing

Distance to Pumped Well 97.5' feet Discharge 650 gpm GPM

Total Depth _____ feet Cased Depth _____ feet Diameter _____ IN

Starting Date of Test 3-16-80, 1100 hrs.

| Time | | Water Level (ft) | | | Draw - Down (ft) | Mea- sured by | Adjustments | | Remarks |
|------|-------|------------------|-------|----------|------------------|---------------|----------------|---------------------|---------------------|
| (hr) | (min) | Held | Wet | Below MP | | | De- water- ing | Back- ground Levels | |
| | | 20.00 | 13.50 | 6.50 | | MK | | | 3/13/80 - 1155 hrs |
| | | 10.00 | 4.26 | 5.94 | | MK | | | 3/14/80 - 1015 hrs. |
| | | 10.00 | 3.93 | 3.93 | | MK | | | 3/15/80 - 0932 hrs. |
| | | | | 6.25 | 0.0 | Recorder | | | 3/16/80 - 1005 |
| | 35 | | | 11.15 | 4.9 | " | 4.81 | | " 1135 |
| | 45 | | | 11.27 | 5.02 | " | 4.92 | | " 1145 |
| | 55 | | | 11.46 | 5.21 | " | 5.10 | | " 1155 |
| | 65 | | | 11.56 | 5.31 | " | 5.20 | | " 1205 |
| | 75 | | | 11.69 | 5.44 | " | 5.33 | | " 1215 |
| | 90 | | | 11.77 | 5.52 | " | 5.40 | | " 1230 |
| | 120 | | | 11.95 | 5.70 | " | 5.57 | | " 1300 |
| | 125 | | | 11.92 | 5.72 | " | 5.59 | | " 1305 |
| | 155 | | | 12.05 | 5.8 | " | 5.67 | | " 1335 |
| | 180 | | | 12.11 | 5.86 | " | 5.73 | | " 1400 |
| | 205 | | | 12.17 | 5.92 | " | 5.78 | | " 1425 |
| | 240 | | | 12.21 | 5.96 | " | 5.82 | | " 1500 |



GEE & JENSON

ENGINEERS-ARCHITECTS-PLANNERS, INC.

2018 OKEECHOBEE BOULEVARD, WEST PALM BEACH, FLORIDA . . . 33409 . . . 305 - 683-3301

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RECORD OF WATER LEVELS

Well No. PW

Project 80-88 Location Martin Downs

Elevation 17.11 (SE corner) MSL Measuring Point Top of 10" casing

Distance to Pumped Well 0 feet Discharge 850 GPM

Total Depth approx. 140 feet Cased Depth _____ feet Diameter 10 IN

Starting Date of Test 3-16-80, time 1100 hrs

| Time | | Water Level (ft) | | | Draw-Down (ft) | Measured by | Adjustments | | Remarks |
|------|-------|------------------|------|--------------|----------------|-------------|-------------|--------------------|-----------------|
| (hr) | (min) | Held | Wet | Below MP | | | De-watering | Back-ground Levels | |
| | 9:40 | 9.00 | 4.19 | 4.71 | | SN | | | steel tape |
| | 10:00 | | | 4.85 4.85 | | RB | | | tape / scope #A |
| | 10:29 | | | 4.87 | | RB | | | |
| | 10:57 | | | 4.86 | | SN | | | |
| | | | | 4.86 | | | | | STATIC |
| | .25 | | | | | | | | |
| | .50 | | | | | | | | |
| | .75 | | | 12.44 | 7.58 | SN | .2128 | | 7.37 |
| | 1.00 | | | - | - | | | | |
| | 1.25 | | | 13.07 | 8.21 | SN | .2496 | | 7.96 |
| | 1.50 | | | 13.47 | 8.61 | SN | .2746 | | 8.33 |
| | 1.75 | | | 13.73 | 8.87 | SN | .2914 | | 8.58 |
| | 2.00 | | | 13.81 | 8.95 | SN | .2967 | | 8.65 |
| | 2.25 | | | 14.02 | 9.16 | SN | .3108 | | 8.85 |
| | 2.50 | | | - | - | | | | |
| | 2.75 | | | 14.00 | 9.24 | SN | | | 8.91 |

RECORD OF WATER LEVELS

Well No. FW

Project 80-83 Starting date of Test 3-16-80 1100 hrs

| Time | | Water Level (ft.) | | | Draw-Down (ft) | Measured by | Adjustments | | Remarks |
|------|-------|-------------------|-----|------------------|----------------|-------------|-------------|--------------------|-----------------|
| (hr) | (min) | Held | Wet | Below MP | | | De-watering | Back-ground Levels | |
| | 3.00 | | | 14.25 | 4.86 9.39 | SN | | | 9.05 M-scope #4 |
| | 3.25 | | | - | - | | | | 7.27 |
| | 3.50 | | | 14.35 | 9.49 | SN | | | 9.14 |
| | 3.75 | | | 14.45 | 9.59 | SN | | | 9.24 |
| | 4.00 | | | 14.52 | 9.66 | SN | | | 9.30 |
| | 4.25 | | | 14.52 | - | | | | |
| | 4.50 | | | 14.65 | 9.79 | SN | | | 9.42 |
| | 4.75 | | | 14.72 | 9.84 | SN | | | 9.47 |
| | 5 | | | 14.72 | 9.86 | SN | | | 9.49 |
| | 6 | | | 14.90 | 10.04 | SN | | | 9.65 |
| | 7 | | | 15.10 | 10.24 | SN | | | 9.84 |
| | 8 | | | 15.14 | 10.28 | SN | | | 9.87 |
| | 9 | | | 15.33 | 10.47 | SN | | | 10.05 |
| | 10 | | | 15.34 | 10.48 | SN | | | 10.05 |
| | 12 | | | 15.47 | 10.61 | SN | | | 10.18 |
| | 14 | | | 15.70 | 10.84 | SN | | | 10.37 |
| | 16 | | | 15.82 | 10.96 | SN | | | 10.50 |
| | 18 | | | 15.88 | 11.02 | SN | | | 10.55 |
| | 20 | | | 15.95 | 11.09 | SN | | | 10.62 |
| | 25 | | | 16.14 | 11.28 | SN | | | 10.77 |
| | 30 | | | 16.29 | 11.43 | SN | | | 10.93 |
| | 35 | | | 16.38 | 11.52 | SN | | | 11.01 |



RECORD OF WATER LEVELS

Well No. PWProject 80-83Starting date of Test 3-16-80, 1100hrs

| Time | | Water Level (ft.) | | | Draw-Down (ft) 4.86 | Mea- sured by | Adjustments | | Remarks |
|------|-------|-------------------|-----|-------------|---------------------------|---------------------|----------------------|---------------------------|---------|
| (hr) | (min) | Held | Wet | Below MP | | | De- water- ing | Back- ground Levels | |
| | 40 | | | 16.47 | 11.61 | SN | 11.09 | | |
| | 45 | | | 16.53 | 11.67 | SN | 11.15 | | |
| | 50 | | | 16.61 | 11.75 | SN | 11.22 | | |
| 1 | 60 | | | 16.72 | 11.86 | SN | 11.32 | | |
| | 70 | | | 16.81 | 11.95 | SN | 11.40 | | |
| | 80 | | | 16.93 | 12.07 | SN | 11.51 | | |
| | 90 | | | 16.97 | 12.11 | SN | 11.54 | | |
| | 100 | | | 17.02 | 12.16 | SN | 11.59 | | |
| 2 | 120 | | | 17.18 | 12.32 | JE | 11.74 | | |
| | 150 | | | 17.29 | 12.43 | RB | 11.83 | | |
| 3 | 180 | | | 17.34 | 12.48 | RB | 11.88 | | |
| 4 | 240 | | | 17.45 | 12.59 | SN | 11.98 | | |
| 5 | 300 | | | 17.53 | 12.67 | JF | 12.05 | | |
| 6 | 360 | | | 17.61 | 12.75 | JF | 12.12 | | |
| 7 | 420 | | | 17.66 | 12.80 | JF | 12.17 | | |
| 8 | 480 | | | 17.73 | 12.87 | JF | 12.23 | | |
| 9 | 540 | | | 17.81 | 12.95 | JF | 12.30 | | |
| 10 | 600 | | | 17.86 | 13.00 | JF | 12.35 | | |
| 11 | 660 | | | 17.88 | 13.02 | JF | 12.37 | | |
| 12 | 720 | | | 17.90 | 13.04 | JF | 12.39 | | |
| 13 | 780 | | | 17.92 | 13.06 | RB/JF | 12.4 | | |
| | 840 | | | 17.91 | 13.05 | RB | 12.39 | | |



RECORD OF WATER LEVELS

Well No. PWProject 80-83 Starting date of Test 3-16-80, 1100 hrs

| Time (hr) | (min) | Water Level (ft.) | | | Draw- Down (ft) | Mea- sured by | Adjustments | | Remarks |
|--------------|-----------------------------------|-------------------|-----|-------------|-----------------------|---------------------|----------------------|---------------------------|---------|
| | | Held | Wet | Below MP | | | De- water- ing | Back- ground Levels | |
| | | | | | 4.86 | | | | |
| 15 | 900 | | | 17.93 | 13.07 | RB | 12.41 | | |
| 16 | 960 | | | 17.93 | 13.07 | RB | 12.41 | | |
| 17 | 1020 | | | 17.99 | 13.06 | SN | 12.40 | | |
| 18 | 1080 | | | 17.97 | 13.11 | SN | 12.45 | | |
| 19 | 1140 | | | 17.97 | 13.11 | SN | 12.45 | | |
| 20 | 1200 | | | 17.97 | 13.11 | SN | 12.45 | | |
| 21 | 1260 | | | 17.99 | 13.13 | MK | 12.47 | | |
| 22 | 1320 | | | 17.99 | 13.13 | MK | 12.47 | | |
| 23 | 1380 | | | 17.99 | 13.13 | RB | 12.47 | | |
| 24 | 1440 | | | 17.99 | 13.13 | RB | 12.47 | | |
| 25 | 1500 | | | 17.99 | 13.13 | MK | 12.47 | | |
| 26 | 1560 | | | 18.02 | 13.16 | MK | 12.49 | | |
| 27 | 1620 | | | 18.01 | 13.15 | HV | 12.48 | | |
| 28 | 1680 | | | 18.02 | 13.16 | HV | 12.49 | | |
| 29 | 1740 | | | 18.02 | 13.16 | HV | 12.49 | | |
| 30 | 1800 | | | 18.02 | 13.16 | HV | 12.49 | | |
| 31 | 18 ²⁶ 00 | | | 18.04 | 13.18 | JF | 12.51 | | |
| 32 | 1920 | | | 18.02 | 13.16 | JF | 12.49 | | |
| 33 | 1980 | | | 18.03 | 13.17 | JF | 12.50 | | |
| 34 | 2040 | | | 18.03 | 13.18 | JF | 12.51 | | |
| 35 | 2100 | | | 18.03 | 13.19 | JF | 12.52 | | |
| 36 | 2160 | | | 18.07 | 13.21 | JF | 12.54 | | |



RECORD OF WATER LEVELS

Well No. PWProject 80-83Starting date of Test 3-16-80, 1100hrs

| Time | | Water Level (ft.) | | | Draw-Down (ft) | Measured by | Adjustments | | Remarks |
|------|-------|-------------------|-----|-----------|----------------|-------------|-------------|--------------------|---------|
| (hr) | (min) | Held | Wet | Below MP. | | | De-watering | Back-ground Levels | |
| 37 | 2220 | | | 12.09 | 13.23 | RB JE | 12.56 | | |
| 38 | 2280 | | | 12.06 | 13.20 | RB JE | 12.53 | | |
| 39 | 2340 | | | 12.05 | 13.19 | RB JE | 12.52 | | |
| 40 | 2400 | | | 12.05 | 13.19 | RB JE | 12.52 | | |
| 41 | 2460 | | | 12.06 | 13.20 | RB JE | 12.53 | | |
| 42 | 2520 | | | 12.05 | 13.19 | RB JE | 12.52 | | |
| 43 | 2580 | | | 12.06 | 13.20 | RB | 12.53 | | |
| 44 | 2640 | | | 12.04 | 13.18 | RB | 12.51 | | |
| 45 | 2700 | | | 12.04 | 13.18 | RB | 12.51 | | |
| 46 | 2760 | | | 12.03 | 13.17 | RB | 12.50 | | |
| 47 | 2820 | | | 12.04 | 13.18 | RB | 12.51 | | |
| 48 | 2880 | | | 12.04 | 13.18 | RB | 12.51 | | |
| 49 | 2940 | | | 12.04 | 13.18 | MK | 12.51 | | |
| 50 | 3000 | | | 12.04 | 13.18 | MK | 12.51 | | |
| 51 | 3060 | | | 12.07 | 13.21 | SN | 12.54 | | |
| 52 | 3120 | | | 12.05 | 13.19 | MK | 12.52 | | |
| 53 | 3180 | | | 12.05 | 13.19 | MK | 12.52 | | |
| 54 | 3240 | | | 12.06 | 13.20 | MK | 12.53 | | |
| 55 | 3300 | | | 12.08 | 13.22 | JF | 12.55 | | |
| 56 | 3360 | | | 12.08 | 13.22 | GR | 12.55 | | |
| 57 | 3420 | | | 12.10 | 13.24 | GR | 12.56 | | |
| 58 | 3480 | | | 12.14 | 13.28 | GR | 12.60 | | |



RECORD OF WATER LEVELS

Well No. PW

Project 80-83

Starting date of Test 3-16-80, 1100hr

| Time (hr) | (min) | Water Level (ft.) | | | Draw-Down (ft) | Meas-ured by | Adjustments | | Remarks |
|-----------|-------|-------------------|-----|----------|----------------|--------------|---------------|---------------------|---------|
| | | Held | Wet | Below MP | | | De-water- ing | Back- ground Levels | |
| 59 | 3540 | | | 18.15 | 4.86 13.29 | GR | 12.61 | | |
| 60 | 3600 | | | 18.15 | 13.29 | JF | 12.61 | | |
| 61 | 3660 | | | 18.18 | 13.32 | JF | 12.64 | | |
| 62 | 3720 | | | 18.16 | 13.30 | GR | 12.62 | | |
| 63 | 3780 | | | 18.18 | 13.32 | GR | 12.64 | | |
| 64 | 3840 | | | 18.15 | 13.29 | JF | 12.61 | | |
| 65 | 3900 | | | 18.14 | 13.28 | JF | 12.60 | | |
| 66 | 3960 | | | 18.15 | 13.29 | JF | 12.61 | | |
| 67 | 4020 | | | 18.14 | 13.28 | JF | 12.60 | | |
| 68 | 4080 | | | 18.16 | 13.30 | GR | 12.62 | | |
| 69 | 4140 | | | 18.15 | 13.29 | GR | 12.61 | | |
| 70 | 4200 | | | 18.16 | 13.30 | GR | 12.62 | | |
| 71 | 4260 | | | 18.18 | 13.32 | nk | 12.64 | | |
| 72 | 4320 | | | 18.18 | 13.32 | GR | 12.64 | | |



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ENGINEERS-ARCHITECTS-PLANNERS, INC.

2019 OKEECHOBEE BOULEVARD, West Palm Beach, Florida . . . 33409 . . . (305) 683-3301

RECORD OF WATER LEVELS

Well No. 3-D

Project 80-83 Martin Downs Location airstrip road at Berry Cr.
 Altitude 17.66 feet above MSL Pumped Well No. _____
 Distance to pumped well 3750.2 feet Average discharge _____ gpm
 Measuring point (MP) is top of 2 1/2" casing

Min from start
290
300
445
575
795
1035
1165
1295
1385
1500
1520
1630
1755
1925
1935

| Date | Hour | Water level (feet) | | | | Measured by | Remarks |
|----------------|------|--------------------|------|----------|----------|-------------|---------------------|
| | | Held | Wet | Below MP | Drawdown | | |
| 3/13/80 @ 1120 | | 10.00 | 2.75 | 7.25 | | MK | static W/scope #3 |
| 3/14/80 @ 1035 | | 10.00 | 3.50 | 6.50 | | MK | static W/scope #3 |
| 3/15/80 @ 0847 | | 10.00 | 3.56 | 6.44 | | MK | static " |
| " @ 1721 | | | | 6.67 | | SN | static " |
| 3/16/80 @ 1005 | | 7.00 | 0.54 | 6.46 | 0.00 | SN | static (steel tape) |
| " @ 1550 | 0450 | 15.00 | 8.21 | 6.79 | 0.33 | JF | steel tape |
| " @ 1610 | 0510 | 8.00 | 1.21 | 6.79 | 0.33 | JF | |
| " @ 1825 | 0725 | 8.00 | 1.11 | 6.89 | 0.43 | JF | |
| " @ 2035 | 0935 | 9.00 | 2.01 | 6.99 | 0.53 | JF | |
| 3/17/80 @ 2415 | 1315 | 8.00 | 0.93 | 7.07 | 0.61 | RB/SN | |
| " @ 0415 | 1715 | | | 7.02 | 0.56 | RB/SN | |
| " @ 0625 | 1925 | | | 7.03 | 0.57 | RB/SN | |
| " @ 0835 | 2135 | | | 7.16 | 0.70 | RB | |
| " @ 1045 | 2305 | | | 7.19 | 0.73 | MK | |
| " @ 1200 | 2500 | | | 7.19 | 0.73 | RB | |
| " @ 1220 | 2520 | 8.00 | 0.82 | 7.18 | 0.72 | SN | |
| " @ 1410 | 2710 | 8.00 | 0.82 | 7.18 | 0.72 | MK | |
| " @ 1445 | 2915 | 8.00 | 0.82 | 7.18 | 0.72 | HV | |
| " @ 1905 | 3205 | 11.00 | 3.79 | 7.21 | 0.75 | JF | |
| 3/18/80 @ 0155 | 3855 | 8.00 | 0.93 | 7.27 | 0.81 | JF | |



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ENGINEERS-ARCHITECTS-PLANNERS, INC.

2019 OKEECHOBEE BOULEVARD, West Palm Beach, Florida . . . 33409 . . . (305) 683-3301

RECORD OF WATER LEVELS

Well No. 4-D

Project 80-83 Martin Downs Location NW corner of property

Altitude 18.42 feet above MSL Pumped Well No. _____

Distance to pumped well 3226.6 feet Average discharge _____ gpm

Measuring point (MP) is top of 2 1/2" casing

| Date | Hour | Water level (feet) | | | | Measured by | Remarks |
|----------------|------|--------------------|------|----------|----------|-------------|---------|
| | | Held | Wet | Below MP | Drawdown | | |
| 3/15/80 @ 1716 | | | | 6.95 | | SN | |
| 3/16/80 @ 1020 | | | | 6.9 | | SN | |
| " @ 1545 | 0445 | 8 | 0.09 | 6.91 | 0.01 | JF | |
| " @ 1832 | 0732 | 9 | 2.05 | 6.95 | 0.05 | JF | |
| " @ 2029 | 0929 | 8 | 1.01 | 6.99 | 0.09 | JF | |
| 3/17/80 @ 2420 | 1320 | 8 | 0.92 | 7.08 | 0.18 | SN | |
| " @ 0420 | 1720 | 8 | 0.82 | 7.18 | 0.28 | RB | |
| " @ 0630 | 1930 | | | 7.12 | 0.22 | Mk | |
| " @ 0838 | 2138 | | | 7.02 | 0.12 | RB | |
| " @ 1010 | 2310 | | | 7.02 | 0.12 | SN | |
| " @ 1200 | 2500 | | | 7.07 | 0.17 | Mk | |
| " @ 1220 | 2520 | 8.00 | 0.90 | 7.10 | 0.20 | JF | |
| " @ 1415 | 2715 | 8.00 | 0.92 | 7.08 | 0.18 | | |
| " @ 1605 | 2905 | 8.00 | 0.88 | 7.12 | 0.22 | | |
| " @ 1950 | 3250 | 9.00 | 1.88 | 7.12 | 0.22 | | |
| 3/18/80 @ 0100 | 3800 | 8.00 | 0.81 | 7.19 | 0.29 | | |
| " @ 0600 | 4300 | 8.00 | 0.82 | 7.18 | 0.28 | | |
| " @ 0805 | 4505 | | | 7.17 | 0.27 | | |
| " @ 1005 | 4705 | | | 7.19 | 0.29 | ↓ | |
| " @ 1205 | 4905 | 8.00 | 0.80 | 7.20 | 0.30 | Mk | |



GEE & JENSON...

ENGINEERS-ARCHITECTS-PLANNERS, INC.

2019 OKEECHOBEE BOULEVARD, West Palm Beach, Florida . . . 33409 . . . (305) 683-3301

RECORD OF WATER LEVELS

Well No. 4-D

Project 80-83 Location _____

Altitude _____ feet above MSL Pumped Well No. _____

Distance to pumped well _____ feet Average discharge _____ gpm

Measuring point (MP) is _____

| Date | Hour | Water level (feet) | | | | Measured by | Remarks |
|------------------------------------|------|--------------------|------|----------|----------|-------------|------------|
| | | Held | Wet | Below MP | Drawdown | | |
| 3/18/80 @ 1417 | 5117 | 8.00 | 0.81 | 7.19 | 0.20 | MK | |
| " @ 1610 | 5310 | 8.00 | 0.80 | 7.20 | 0.30 | MK | |
| " @ 1825 | 5525 | 9.00 | 1.75 | 7.25 | 0.35 | JF | |
| 3/19/80 @ 2400 | 6100 | | | 7.32 | 0.42 | GR | |
| " @ 0600 | 6700 | 9.00 | 1.69 | 7.31 | 0.41 | | |
| " @ 0815 | 6915 | 12.00 | 4.69 | 7.31 | 0.41 | | |
| " @ 1000 | 7100 | 9.00 | 1.66 | 7.34 | 0.44 | | |
| " @ 1035 | 7135 | 9.00 | 1.65 | 7.35 | 0.45 | ↓ | |
| Recovery start 3/19/80 @ 1100 hrs. | | | | | | | |
| 3/19/80 @ 1200 | 0100 | 8.00 | 0.62 | 7.38 | 0.48 | MK | |
| " @ 1305 | 0205 | 9.00 | 1.63 | 7.37 | 0.47 | MK | |
| " @ 1400 | 0300 | | | 7.24 | 0.34 | GR | M-scope #1 |
| " @ 1500 | 0400 | | | 7.25 | 0.35 | MK | " |
| " @ 1600 | 0500 | | | 7.10 | 0.20 | RB | " |
| " @ 1700 | 0600 | | | 7.02 | 0.08 | | " |
| " @ 2100 | 1000 | | | 6.99 | 0.09 | ↓ | " |
| 3/20/80 @ 0200 | 1500 | | | 6.97 | 0.07 | SN | " |
| " @ 0630 | 1930 | | | 6.49 | -0.41 | SN | " |
| " @ 1017 | 2317 | | | 6.81 | -0.09 | RB | |
| " @ 1300 | 2600 | | | 6.79 | -0.11 | RB | |



MANOMETER READINGS

PROJECT 80-83 LOCATION Martin Downs
 METHOD OF MEASURING 6x5" orifice AVERAGE DISCHARGE 850 GPM
 STARTING DATE OF TEST 3-16-80, 1100hrs

| Time | | Inches | Dis-charge (gpm) | Staff Gage (ft) | Temp (oC) | Cond. (umhos/cm) | Mea-sured by | Remarks |
|------|-------|---------------|------------------|-----------------|-----------|------------------|--------------|-----------------------------|
| (hr) | (min) | | | | | | | |
| | 35 | 47.50 | | | | | JF | |
| | 40 | 47.50 | | | | | | |
| | 45 | 47.50 | | | | | | |
| | 50 | 47.50 | | | | | | flux between 47.5 and 47.25 |
| 1 | 60 | 47.25 | | | | | | |
| | 70 | 47.25 | | | | | | opened valve slightly |
| | 80 | 47.50 | | | | | | |
| | 90 | 47.50 | | | | | | |
| | 100 | 47.50 | | | | | | |
| 2 | 120 | 47.5 | | | | | RB | |
| | 150 | | | | | | RB | |
| 3 | 180 | | | | | | RB | |
| 4 | 240 | 47.25 | | | | | HJ | |
| 5 | 300 | 47.25 | | | | | JF | opened valve a touch |
| 6 | 360 | 47.50 | | | | | JF | |
| 7 | 420 | 47.00 | | | | | JF | opened valve |
| 8 | 480 | 47.50 | | | | | JF | |
| 9 | 540 | 47.50 → 47.75 | | | | | JF | flux |
| 10 | 600 | 47.75 | | | | | JF | |
| 11 | 660 | 47.25 | | | | | JF | |
| 12 | 720 | 47.50 | | | | | JF | |
| 13 | 780 | 47.5 → 47.75 | | | | | JF | |



MANOMETER READINGS

PROJECT 72-83 LOCATION Martin DownsMETHOD OF MEASURING 6 1/2" orifice AVERAGE DISCHARGE 850 GPMSTARTING DATE OF TEST 8-16-80, time 1100 hrs

| Time | | Inches | Dis-charge (gpm) | Staff Gage (ft) | Temp (oC) | Cond. (umhos/cm) | Mea-sured by | Remarks |
|------|-------|--------|------------------|-----------------|-----------|------------------|--------------|--------------------------------------|
| (hr) | (min) | | | | | | | |
| | .5 | 48.75 | | | | | JF | Big surge plus 25 sec. of nothing |
| | 1 | 49.00 | | | | | ↓ | |
| | 1.5 | 48.75 | | | | | ↓ | |
| | 2 | 48.75 | | | | | | |
| | 2.5 | 48.50 | | | | | | |
| | 3.0 | 48.50 | | | | | | |
| | 3.5 | 48.50 | | | | | | |
| | 4.0 | 48.50 | | | | | | |
| | 4.5 | 48.50 | | | | | | |
| | 5.0 | 48.25 | | | | | | |
| | 6 | 48.25 | | | | | | |
| | 7 | 48.25 | | | | | | Adj. Valve down + 1/2 in |
| | 8 | 48.25 | | | | | | |
| | 9 | 48.25 | | | | | | |
| | 10 | 47.25 | | | | | | Adjust down |
| | 12 | 47.00 | | | | | | opened valve |
| | 14 | 47.75 | | | | | | |
| | 16 | 47.75 | | | | | | |
| | 18 | 47.75 | | | | | | |
| | 20 | 47.50 | | | | | | Flur. Between 47.50 & 47.75 |
| | 25 | 47.50 | | | | | | |
| | 30 | 47.50 | | | | | | 5/11 |

MANOMETER READINGS

PROJECT 80-83 LOCATION Martin Downs

METHOD OF MEASURING 6x5" orifice AVERAGE DISCHARGE 850 GPM

STARTING DATE OF TEST 3-16-80, 1100hrs

| Time | | Inches | Dis-charge (gpm) | Staff Gage (ft) | Temp (oC) | Cond. (umhos/cm) | Mea-sured by | Remarks |
|------|-------|-------------|------------------|-----------------|-----------|------------------|--------------|-----------------------------|
| (hr) | (min) | | | | | | | |
| 14 | 840 | 47.50 | | | | | RB | |
| 15 | 900 | 47.50 | | | | | RB | |
| 16 | 960 | 47.50 | | | | | RB | |
| 17 | 1020 | 47.50 | | | | | RB | |
| 18 | 1080 | 47.50-47.75 | | | | | RB | |
| 19 | 1140 | 47.50 | | | | | RB | |
| 20 | 1200 | 47.50 | | | | | ML | |
| 21 | 1260 | 47.50 | | | | | ML | |
| 22 | 1320 | 47.50 | | | | | ML | |
| 23 | 1380 | 47.50 | | | | | ML | |
| 24 | 1440 | 47.50 | | | | | RB | |
| 25 | 1500 | 47.75 | | | | | ML | |
| 26 | 1560 | 47.75 | | | | | ML | |
| 27 | 1620 | 47.75 | | | | | ML | |
| 28 | 1680 | 47.75 | | | | | ML | |
| 29 | 1740 | 47.75 | | | | | ML | |
| 30 | 1800 | 47.75 | | | | | ML | |
| 31 | 1860 | 48.00 | | | | | JF | closed Valve SP's off by |
| 32 | 1920 | 47.75 | | | | | JF | 1900 hrs Time |
| 33 | 1980 | 47.75 | | | | | JF | 2000 hrs " |
| 34 | 2040 | 47.50 | | | | | JF | 9:00 pm 2100 hrs |
| 35 | 2100 | 47.75 | | | | | JF | 10 pm |

MANOMETER READINGS

PROJECT 80-83 LOCATION Martin Downs

METHOD OF MEASURING 6x5" orifice AVERAGE DISCHARGE 850 GPM

STARTING DATE OF TEST 3-16-80, 1100hrs

| Time | | Inches | Dis-charge (gpm) | Staff Gage (ft) | Temp (oC) | Cond. (umhos/cm) | Mea-sured by | Remarks |
|------|-------|---------------|------------------|-----------------|-----------|------------------|--------------|---------------------|
| (hr) | (min) | | | | | | | |
| 36 | 2160 | 47.75 | | | | | JF | 1100pm closed valve |
| 37 | 2220 | 47.75 | | | | | JF | 1200pm " " |
| 38 | 2280 | 47.75 | | | | | | |
| 39 | 2340 | 47.75 | | | | | | |
| 40 | 2400 | 47.50 ~ 47.75 | | | | | | |
| 41 | 2460 | 47.50 | | | | | | |
| 42 | 2520 | 47.50 | | | | | | |
| 43 | 2580 | 47.50 | | | | | JF | |
| 44 | 2640 | 47.50 | | | | | JF | |
| 45 | 2700 | 47.75 | | | | | JF | |
| 46 | 2760 | 47.50 | | | | | | |
| 47 | 2820 | 47.50 | | | | | | |
| 48 | 2880 | 47.50 | | | | | | |
| 49 | 2940 | 47.50 | | | | | MK | 12 NOON |
| 50 | 3000 | 47.50 | | | | | MK | |
| 51 | 3060 | 47.50 | | | | | SA | |
| 52 | 3120 | 47.50 | | | | | MK | |
| 53 | 3180 | 47.50 | | | | | MK | |
| 54 | 3240 | 47.50 | | | | | MK | |
| 55 | 3300 | 47.50 | | | | | JF | 600 gpm |
| 56 | 3360 | 47.25 | | | | | JF | obtained value |
| 57 | 3420 | 47.50 | | | | | JF | 8 |



Staff Gage Readings Martin Downs 80-83

| Staff Gage One (SG1) | | | | Staff Gage Two (SG2) | | | | Staff Gage Three (SG3) | | | |
|----------------------|------|-------------------|-------------|----------------------|------|-------------------|-------------|------------------------|------|-------------------|-------------|
| Date | Hour | Water Level (ft.) | Measured by | Date | Hour | Water Level (ft.) | Measured by | Date | Hour | Water Level (ft.) | Measured by |
| 3-12-80 | 1320 | installed 0.90 | SN | 3-12-80 | 1318 | installed 0.50 | SN | 3-12-80 | 1528 | installed 0.75 | SN |
| 3-13-80 | 1050 | 1.20 | MK | 3-13-80 | 1052 | 3.13 | MK | 3-13-80 | 1057 | 0.74 | MK |
| 3-14-80 | 1020 | 1.15 | MK | 3-14-80 | 1030 | 2.78 | MK | 3-14-80 | 1040 | 0.70 | MK |
| 3-15-80 | 0934 | 0.76 | MK | 3-15-80 | 0937 | 2.39 | MK | 3-15-80 | 0823 | 0.67 | MK |
| | 1707 | 0.77 | SN | | 1705 | 2.40 | SN | | 1758 | 0.66 | SN |
| 3-16-80 | 0951 | 0.80 | SN | 3-16-80 | 0946 | 2.42 | SN | 3-16-80 | 1010 | 0.64 | SN |
| | 1155 | 0.80 | SN | | 1156 | 2.41 | JF | | 1500 | 0.62 | SN |
| | 1500 | 0.79 | HV | | 1500 | 2.41 | HV | | 1915 | 0.61 | JF |
| | 1600 | 0.78 | JF | | 1600 | 2.40 | JF | | | | |
| | 1700 | 0.79 | JF | | 1700 | 2.40 | JF | | | | |
| | 1800 | 0.78 | JF | | 1800 | 2.41 | JF | | | | |
| | 2300 | 0.78 | JF | | 2300 | 2.41 | JF | | | | |
| | 2400 | 0.78 | JF | | 2400 | 2.40 | JF | | | | |
| 3-17-80 | 0100 | 0.78 | RB | 3-17-80 | 0100 | 2.40 | RB | 3-17-80 | 2420 | 0.61 | RB |
| | 0200 | 0.78 | RB | | 0200 | 2.40 | RB | | 0427 | 0.61 | RB/SN |
| | 0300 | 0.77 | RB | | 0300 | 2.40 | RB | | 0635 | 0.61 | RB/SN |
| | 0400 | 0.77 | RB | | 0400 | 2.40 | RB | | 1100 | 0.61 | MK |
| | 0500 | 0.77 | RB | | 0500 | 2.40 | RB | | 1420 | 0.60 | MK |
| | 0600 | 0.77 | RB | | 0600 | 2.40 | RB | | 1600 | 0.60 | MK |
| | 0700 | 0.77 | RB | | 0700 | 2.40 | RB | | 1930 | 0.60 | JF |
| | 0800 | 0.77 | MK | | 0800 | 2.40 | MK | | | | |
| | 0900 | 0.77 | RB | | 0900 | 2.39 | RB | | | | |



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Staff Gage Readings Martin Downs 80-83

| Staff Gage One (661) | | | | Staff Gage Two (662) | | | | Staff Gage Three (663) | | | |
|----------------------|------|-------------------|-------------|----------------------|------|-------------------|-------------|------------------------|------|-------------------|-------------|
| Date | Hour | Water Level (ft.) | Measured by | Date | Hour | Water Level (ft.) | Measured by | Date | Hour | Water Level (ft.) | Measured by |
| 3-17-80 | 1000 | 0.76 | RB | 3-17-80 | 1000 | 2.39 | RB | | | | |
| | 1100 | 0.76 | RB | | 1100 | 2.39 | RB | | | | |
| | 1200 | 0.76 | MK | | 1200 | 2.38 | MK | | | | |
| | 1300 | 0.75 | MK | | 1310 | 2.38 | HV | | | | |
| | 1400 | 0.75 | HV | | 1400 | 2.38 | HV | | | | |
| | 1600 | 0.75 | HV | | 1600 | 2.38 | HV | | | | |
| | 2010 | 0.74 | JF | | 2010 | 2.37 | JF | | | | |
| 3-18-80 | 2400 | 0.74 | RB | 3-18-80 | 2400 | 2.36 | RB | 3-18-80 | 0600 | 0.59 | RB |
| | 0100 | 0.74 | RB | | 0100 | 2.36 | RB | | 0945 | 0.59 | MK |
| | 0200 | 0.73 | RB | | 0200 | 2.36 | RB | | 1250 | 0.59 | MK |
| | 0300 | 0.73 | RB | | 0300 | 2.36 | RB | | 1400 | 0.58 | MK |
| | 0400 | 0.73 | RB | | 0400 | 2.35 | RB | | 1730 | 0.58 | MK |
| | 0500 | 0.72 | RB | | 0500 | 2.35 | RB | | 1930 | 0.58 | JF |
| | 0600 | 0.72 | RB | | 0600 | 2.35 | RB | | | | |
| | 0700 | 0.72 | RB | | 0700 | 2.34 | RB | | | | |
| | 0800 | 0.71 | RB | | 0800 | 2.34 | RB | | | | |
| | 0900 | 0.71 | RB | | 0900 | 2.34 | RB | | | | |
| | 1000 | 0.70 | RB | | 1000 | 2.33 | RB | | | | |
| | 1100 | 0.70 | RB | | 1100 | 2.33 | RB | | | | |
| | 1215 | 0.70 | MK | | 1215 | 2.33 | MK | | | | |
| | 1435 | 0.69 | MK | | 1300 | 2.33 | MK | | | | |
| | 1605 | 0.69 | MK | | 1500 | 2.33 | MK | | | | |



Staff Gage Readings Martin Downs 80-83

| Staff Gage One (80-1) | | | | Staff Gage Two (82) | | | | Staff Gage Three (83) | | | |
|-----------------------|------|-------------------|-------------|---------------------|------|-------------------|-------------|-----------------------|------|-------------------|-------------|
| Date | Hour | Water Level (ft.) | Measured by | Date | Hour | Water Level (ft.) | Measured by | Date | Hour | Water Level (ft.) | Measured by |
| 3/18/80 | 2010 | 0.69 | JF | 3/18/80 | 1600 | 2.33 | ML | | | | |
| | 2110 | 0.68 | GR | 2010 | 10 | 2.32 | JF | | | | |
| | | | | 2110 | 11 | 2.31 | GR | | | | |
| 3/19/80 | 2120 | 0.67 | GL | 3/19/80 | 0100 | 2.30 | GR | 3/19/80 | 1720 | 0.56 | GR |
| | 1300 | 0.66 | JF | | 0300 | 2.30 | JF | | 1400 | 0.55 | GR |
| | 0500 | 0.66 | JF | | 0500 | 2.29 | JF | | 1800 | 0.54 | RB |
| | 0730 | 0.66 | GR | | 0730 | 2.28 | GR | | | | |
| | 0905 | 0.64 | GR | | 0905 | 2.28 | GR | | | | |
| | 1000 | 0.64 | MK | | 1000 | 2.28 | MK | | | | |
| | 1500 | 0.64 | GR | | 1500 | 2.26 | GR | | | | |
| | 1600 | 0.64 | RB | | 1600 | 2.27 | RB | | | | |
| | 1700 | 0.64 | | | 1700 | 2.27 | | | | | |
| | 1800 | 0.63 | | | 1800 | 2.27 | | | | | |
| | 1900 | 0.64 | | | 1900 | 2.27 | | | | | |
| | 2000 | 0.64 | | | 2100 | 2.27 | | | | | |
| | 2100 | 0.64 | | | 2300 | 2.27 | | | | | |
| | 2200 | 0.64 | | | | | | | | | |
| | 2300 | 0.64 | ↓ | | | | | | | | |
| 3/20/80 | 0200 | 0.64 | SN | 3/20/80 | 0200 | 2.27 | SN | 3/20/80 | 1036 | 0.54 | RB |
| | 0600 | 0.64 | SN | | 0600 | 2.27 | SN | | 1230 | 0.55 | RB |
| | 1005 | 0.65 | RB | | 1004 | 2.28 | RB | | | | |
| | 1247 | 0.65 | RB | | 1248 | 2.28 | RB | | | | |



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RECORD OF WATER LEVELS

Well No. OW-20

Project 80-82 Martin Downs Location winthrop - south hill (observation)

Elevation 17.84 MSL Measuring Point top of 2 1/2" casing

Distance to Pumped Well ^{216.3} (97.5') feet Discharge 850 gpm GPM

Total Depth _____ feet Cased Depth _____ feet Diameter _____ IN

Starting Date of Test 3-16-80, 1100 hrs.

| Time | | Water Level (ft) | | | Draw - Down (ft) | Measured by | Adjustments | | Remarks |
|------|-------|------------------|-------|----------|------------------|-------------|-------------|--------------------|---------------------|
| (hr) | (min) | Held | Wet | Below MP | | | De-watering | Back-ground Levels | |
| | | 20.00 | 13.50 | 6.50 | | MK | | | 3/13/80 - 1155 hrs |
| | | 0.00 | 4.26 | 5.94 | | MK | | | 3/14/80 - 1015 hrs. |
| | | 10.00 | 5.93 | 5.93 | | MK | | | 3/15/80 - 0930 hrs. |
| | | | | 6.25 | 0.0 | Recorder | | | 3/16/80 - 1005 |
| | 35 | | | 11.15 | 4.9 | " | 4.81 | | " 1135 |
| | 45 | | | 11.27 | 5.02 | " | 4.92 | | " 1145 |
| | 55 | | | 11.46 | 5.21 | " | 5.10 | | " 1155 |
| | 65 | | | 11.56 | 5.31 | " | 5.20 | | " 1205 |
| | 75 | | | 11.69 | 5.44 | " | 5.33 | | " 1215 |
| | 90 | | | 11.77 | 5.52 | " | 5.40 | | " 1230 |
| | 120 | | | 11.95 | 5.7 | " | 5.57 | | " 1300 |
| | 125 | | | 11.97 | 5.72 | " | 5.59 | | " 1305 |
| | 155 | | | 12.05 | 5.8 | " | 5.67 | | " 1335 |
| | 180 | | | 12.11 | 5.86 | " | 5.73 | | " 1400 |
| | 205 | | | 12.17 | 5.92 | " | 5.78 | | " 1425 |
| | 240 | | | 12.21 | 5.96 | " | 5.82 | | " 1500 |



GEE & JENSON

ENGINEERS-ARCHITECTS-PLANNERS, INC.

2019 OKEECHOBEE BOULEVARD, WEST PALM BEACH, FLORIDA . . . 33409 . . . 305 - 683-3301

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MD1D

RECORD OF WATER LEVELS

Well No. 9-D

Project 80-83 Location Martin Downs

Elevation _____ MSL Measuring Point _____

Distance to Pumped Well _____ feet Discharge _____ GPM

Total Depth _____ feet Cased Depth _____ feet Diameter _____ IN

Starting Date of Test 3-16-80

| Time | | Water Level (ft) | | | Draw-Down (ft) | Measured by | Adjustments | | Remarks | |
|------|---------|------------------|------|----------|-----------------|-------------|-------------|--------------------|--------------|--|
| (hr) | (min) | Held | Wet | Below MP | | | De-watering | Back-ground Levels | | |
| | 9:32 am | 9.00 | 2.81 | | - | JFE | | | | |
| | 10:13 | | | 6.21 | | } | | | Tape = 6.117 | |
| | 10:25 | | | 6.22 | | | | | M Scope # 2 | |
| | 10:59 | | | 6.20 | 6.20 | | | | | |
| | | | | 6.20 | | | | | STATIC | |
| | .25 | | | 6.85 | 0.65 | | | 0.65 | ↓ | |
| | .50 | | | 6.88 | 0.78 | | | 0.78 | | |
| | .75 | | | 7.22 | 1.02 | | | 1.02 | | |
| | 1.00 | | | 7.42 | 1.22 | | | 1.214 | | |
| | 1.25 | | | 7.67 | 1.44 | | | 1.432 | | |
| | 1.50 | | | 7.75 | 1.55 | | | 1.541 | | |
| | 1.75 | | | 7.93 | 1.73 | | 1.719 | | | |
| | 2.00 | | | 8.01 | 1.81 | | 1.798 | | | |
| | 2.25 | | | 8.17 | 1.97 | | 1.956 | | | |
| | 2.50 | | | 8.28 | 2.06 | | 2.044 | | | |
| | 2.75 | | | 8.34 | 2.16 | | 2.143 | | | |

RECORD OF WATER LEVELS

Well No. 9-D

Project _____ Starting date of Test _____

| Time (hr) | (min) | Water Level (ft.) | | | Draw-Down (ft) | Measured by | Adjustments | | Remarks |
|-----------|-------|-------------------|-----|----------|----------------|-------------|-------------|--------------------|---------|
| | | Held | Wet | Below MP | | | De-watering | Back-ground Levels | |
| | 3.00 | | | 8.49 | 2.29 | JE | 2.271 | | |
| | 3.25 | | | 8.59 | 2.34 | } | 2.320 | | |
| | 3.50 | | | 8.63 | 2.43 | | 2.408 | | |
| | 3.75 | | | 8.71 | 2.51 | | 2.489 | | |
| | 4.00 | | | 8.78 | 2.58 | | 2.555 | | |
| | 4.25 | | | 8.84 | 2.64 | | 2.614 | | |
| | 4.50 | | | 8.91 | 2.71 | | 2.683 | | |
| | 4.75 | | | 8.98 | 2.78 | | 2.751 | | |
| | 5 | | | 9.03 | 2.83 | | 2.800 | | |
| | 6 | | | 9.20 | 3.00 | | 2.967 | | |
| | 7 | | | 9.37 | 3.17 | | 3.133 | | |
| | 8 | | | 9.52 | 3.32 | | 3.279 | | |
| | 9 | | | 9.64 | 3.44 | | 3.396 | | |
| | 10 | | | 9.73 | 3.53 | | 3.484 | | |
| | 12 | | | 9.90 | 3.70 | | 3.649 | | |
| | 14 | | | 10.03 | 3.83 | | 3.776 | | |
| | 16 | | | 10.14 | 3.94 | 3.883 | | | |
| | 18 | | | 10.25 | 4.05 | 3.989 | | | |
| | 20 | | | 10.34 | 4.14 | 4.077 | | | |
| | 25 | | | 10.51 | 4.31 | 4.241 | | | |
| | 30 | | | 10.64 | 4.44 | 4.362 | | | |
| | 35 | | | 10.77 | 4.57 | 4.493 | | | |

RECORD OF WATER LEVELS

Well No. 9-D

Project _____ Starting date of Test _____

6.20

| Time (hr) | (min) | Water Level (ft.) | | | Draw-Down (ft) | Mea-sured by | Adjustments | | Remarks |
|-----------|-------|-------------------|-----|----------|----------------|--------------|--------------|--------------------|---------|
| | | Held | Wet | Below MP | | | De-water-ing | Back-ground Levels | |
| | 40 | | | 10.85 | 4.65 | JE | 4.57 | | |
| | 45 | | | 10.98 | 4.78 | } | 4.695 | | |
| | 50 | | | 11.01 | 4.81 | | 4.724 | | |
| 1 | 60 | | | 11.11 | 4.91 | | 4.821 | | |
| | 70 | | | 11.21 | 5.01 | | 4.917 | | |
| | 80 | | | 11.30 | 5.10 | | 5.004 | | |
| | 90 | | | 11.36 | 5.16 | 5.061 | | | |
| | 100 | | | 11.42 | 5.22 | 5.119 | | | |
| 2 | 120 | | | 11.52 | 5.32 | 5.215 | | | |
| | 150 | | | 11.63 | 5.43 | 5.321 | | | |
| 3 | 180 | | | 11.71 | 5.51 | 5.398 | | | |
| 4 | 240 | | | 11.82 | 5.62 | HV | 5.503 | | |
| 5 | 300 | | | 11.90 | 5.70 | JF | 5.600 | | |
| 6 | 360 | | | 11.95 | 5.75 | ↓ | 5.628 | | |
| 7 | 420 | | | 12.07 | 5.87 | | 5.742 | | |
| 8 | 480 | | | 12.08 | 5.88 | | 5.752 | | |
| 9 | 540 | | | 12.15 | 5.95 | JF | 5.819 | | |
| 10 | 600 | | | 12.15 | 5.98 | JF | 5.848 | | |
| 11 | 660 | | | 12.19 | 5.99 | | 5.857 | | |
| 12 | 720 | | | 12.23 | 6.03 | JF | 5.895 | | |
| 13 | 780 | | | 12.25 | 6.05 | RBJF | 5.914 | | |
| 14 | 840 | | | 12.26 | 6.06 | RB | 5.924 | | |

2
1.4
6.0



RECORD OF WATER LEVELS

Well No. FD OW-10

Project _____ Starting date of Test _____

6.20

| Time | | Water Level (ft.) | | | Draw-Down (ft) | Mea-sured by | Adjustments | | Remarks |
|------|---------|-------------------|-----|----------|----------------|--------------|--------------|--------------------|---------|
| (hr) | (min) | Held | Wet | Below MP | | | De-water-ing | Back-ground Levels | |
| 15 | 900 | | | 12.26 | 6.06 | RB | 5.924 | | |
| 16 | 960 | | | 12.27 | 6.07 | | 5.934 | | |
| 17 | 1020 | | | 12.27 | 6.07 | | 5.934 | | |
| 18 | 1080 | | | 12.27 | 6.07 | SN | 5.934 | | |
| 19 | 1140 | | | 12.28 | 6.08 | | 5.943 | | |
| 20 | 1200 | | | 12.31 | 6.11 | MK | 5.972 | | |
| 21 | 1260 | | | 12.34 | 6.14 | MK | 6.000 | | |
| 22 | 1320 | | | 12.33 | 6.13 | RB | 5.991 | | |
| 23 | 1380 | | | 12.34 | 6.14 | MK | 6.000 | | |
| 4 | 1440 | | | 12.34 | 6.14 | RB | 6.000 | | |
| 25 | 1500 | | | 12.35 | 6.15 | ↓ | 6.010 | | |
| 26 | 1560 | | | 12.35 | 6.15 | MK | 6.010 | | |
| 27 | 1620 | | | 12.35 | 6.15 | HU | 6.010 | | |
| 28 | 1680 | | | 12.35 | 6.15 | HU | 6.010 | | |
| 29 | 1740 | | | 12.35 | 6.15 | HU | 6.010 | | |
| 30 | 1800 | | | 12.35 | 6.15 | HU | 6.010 | | |
| 31 | 1860-15 | | | 12.37 | 6.17 | JF | 6.029 | | |
| 32 | 1920 | | | 12.38 | 6.18 | JF | 6.039 | | |
| 33 | 1980 | | | 12.39 | 6.19 | JF | 6.048 | | |
| 34 | 2040 | | | 12.40 | 6.20 | JF | 6.058 | | |
| 35 | 2100 | | | 12.41 | 6.21 | JF | 6.067 | | |
| 36 | 2160 | | | 12.42 | 6.22 | JF | 6.077 | | |

RECORD OF WATER LEVELS

Well No. 9-D

Project _____ Starting date of Test _____

| Time (hr) | (min) | Water Level (ft.) | | | Draw-Down (ft) | Mea- sured by | Adjustments | | Remarks |
|--------------|-------|-------------------|-----|-------------|-------------------|---------------------|----------------------|---------------------------|-----------------|
| | | Held | Wet | Below MP | | | De- water- ing | Back- ground Levels | |
| 37 | 2220 | | | 12.43 | 6.23 | RSJTE | 6.086 | | 12:00 midday |
| 38 | 2280 | | | 12.43 | 6.23 | | 6.086 | | 1 |
| 39 | 2340 | | | 12.43 | 6.23 | | 6.086 | | |
| 40 | 2400 | | | 12.42 | 6.22 | | 6.077 | | |
| 41 | 2460 | | | 12.42 | 6.22 | | 6.077 | | 4 |
| 42 | 2520 | | | 12.42 | 6.22 | | 6.077 | | 5 |
| 43 | 2580 | | | 12.42 | 6.22 | RS | 6.077 | | 6 AM |
| 44 | 2640 | | | 12.42 | 6.22 | | 6.077 | | |
| 45 | 2700 | | | 12.43 | 6.23 | | 6.086 | | |
| 5 | 2760 | | | 12.43 | 6.23 | | 6.086 | | |
| 47 | 2820 | | | 12.44 | 6.24 | | 6.096 | | |
| 48 | 2880 | | | 12.44 | 6.24 | MK | 6.096 | | |
| 49 | 2940 | | | 12.45 | 6.25 | MK | 6.105 | | 12 NOON |
| 50 | 3000 | | | 12.44 | 6.24 | MK | 6.096 | | 1 |
| 51 | 3060 | | | 12.42 | 6.22 | SN | 6.077 | | 2 |
| 52 | 3120 | | | 12.42 | 6.22 | SN | 6.077 | | 3 |
| 53 | 3180 | | | 12.42 | 6.22 | MK | 6.077 | | 4 |
| 54 | 3240 | | | 12.43 | 6.23 | MK | 6.086 | | 5 |
| 55 | 3300 | | | 12.45 | 6.25 | MK | 6.105 | | 6 |
| 56 | 3360 | | | 12.47 | 6.27 | JF | 6.124 | | 7 ⁰⁰ |
| 57 | 3420 | | | 12.48 | 6.28 | GR | 6.134 | | 8 |
| 58 | 3480 | | | 12.52 | 6.32 | JF | 6.172 | | 9 |

↑
measured
3X



RECORD OF WATER LEVELS

Well No. 9-D

Object _____ Starting date of Test _____

Static 6.70

| Time | | Water Level (ft.) | | | Draw-Down (ft) | Mea-sured by | Adjustments | | Remarks |
|------------------|-------|-------------------|-----|----------|----------------|--------------|-------------|--------------------|---------|
| (hr) | (min) | Held | Wet | Below MP | | | De-watering | Back-ground Levels | |
| 59 | 3540 | | | 12.53 | 6.33 | GR | 6.182 | | |
| 60 | 3600 | | | 12.53 | 6.33 | GR | 6.182 | | |
| 61 | 3660 | | | 12.53 | 6.33 | JF | 6.182 | | |
| 62 | 3720 | | | 12.54 | 6.34 | JF | 6.191 | | 100 |
| 63 | 3780 | | | 12.54 | 6.34 | GR | 6.191 | | 3-17-51 |
| 64 | 3840 | | | 12.54 | 6.34 | JF | 6.191 | | 3-17-51 |
| 65 | 3900 | | | 12.52 | 6.32 | JF | 6.172 | | 4-17-51 |
| 66 | 3960 | | | 12.53 | 6.33 | JF | 6.182 | | |
| 67 | 4020 | | | 12.54 | 6.34 | JF | 6.191 | | |
| 68 | 4080 | | | 12.54 | 6.34 | GR | 6.191 | | |
| 69 | 4140 | | | 12.54 | 6.34 | GR | 6.191 | | |
| 70 | 4200 | | | 12.54 | 6.34 | GR | 6.191 | | 09100 |
| 71 | 4260 | | | 12.54 | 6.34 | MK | 6.191 | | |
| 72 | 4320 | | | 12.55 | 6.35 | MK | 6.201 | | 1055 |
| _____ | | | | | | | | | |



RECORD OF WATER LEVELS

MD1DR

Well No. 9-D

Project _____ Starting date of Test _____

static 6.20

| Time | | Water Level (ft.) | | | Draw-Down (ft) | Mea-sured by | Adjustments | | Remarks |
|----------|-------|-------------------|-----|----------|----------------|--------------|--------------|--------------------|----------------|
| (hr) | (min) | Held | Wet | Below MP | | | De-water-ing | Back-ground Levels | |
| RECOVERY | | | | 12.55 | 6.35 | MK | 6.201 | | 3/19/80 @ 1055 |
| | .25 | | | 12.21 | 6.01 | / | 5.876 | | |
| | .50 | | | 11.82 | 5.62 | | 5.503 | | |
| | .75 | | | 11.58 | 5.38 | | 5.273 | | |
| | 1.00 | | | 11.35 | 5.15 | | 5.052 | | |
| | 1.25 | | | 11.13 | 4.93 | | 4.840 | | |
| | 1.50 | | | 10.89 | 4.69 | | 4.609 | | |
| | 1.75 | | | 10.74 | 4.54 | | 4.464 | | |
| | 2.00 | | | 10.53 | 4.33 | | 4.261 | | |
| | 2.25 | | | 10.39 | 4.19 | | 4.125 | | |
| | 2.50 | | | 10.35 | 4.15 | | 4.086 | | |
| | 2.75 | | | 10.28 | 4.08 | 4.018 | | | |
| | 3.00 | | | 10.21 | 4.01 | 3.950 | | | |
| | 3.25 | | | 10.16 | 3.96 | 3.902 | | | |
| | 3.50 | | | 10.10 | 3.90 | 3.844 | | | |
| | 3.75 | | | 10.04 | 3.84 | 3.785 | | | |
| | 4.00 | | | 9.98 | 3.78 | 3.727 | | | |
| | 4.25 | | | 9.93 | 3.73 | 3.678 | | | |
| | 4.50 | | | 9.89 | 3.69 | 3.640 | | | |
| | 4.75 | | | 9.84 | 3.64 | 3.591 | | | |
| | 5.00 | | | 9.78 | 3.58 | 3.533 | | | |



RECORD OF WATER LEVELS

Well No. 9-D

Project _____ Starting date of Test _____

Static 6.20

| Time (hr) | (min) | Water Level (ft.) | | | Draw-Down (ft) | Meas-ured by | Adjustments | | Remarks |
|-----------|-------|-------------------|-----|----------|----------------|--------------|--------------|--------------------|---------|
| | | Held | Wet | Below MP | | | De-water-ing | Back-ground Levels | |
| RECOVERY | | | | | | | | | |
| | 6 | | | 9.62 | 3.42 | MK | 3.377 | | |
| | 7 | | | 9.45 | 3.25 | | 3.211 | | |
| | 8 | | | 9.34 | 3.14 | | 3.103 | | |
| | 9 | | | 9.24 | 3.04 | | 3.006 | | |
| | 10 | | | 9.15 | 2.95 | | 2.918 | | |
| | 12 | | | 8.99 | 2.79 | | 2.761 | | |
| | 14 | | | 8.85 | 2.65 | | 2.624 | | |
| | 16 | | | 8.73 | 2.53 | | 2.506 | | |
| | 18 | | | 8.64 | 2.44 | | 2.418 | | |
| | 20 | | | 8.55 | 2.35 | | 2.330 | | |
| | 25 | | | 8.37 | 2.17 | | 2.153 | | |
| | 30 | | | 8.24 | 2.04 | | 2.025 | | |
| | 35 | | | 8.12 | 1.92 | | 1.906 | | |
| | 40 | | | 8.01 | 1.81 | | 1.798 | | |
| | 45 | | | 7.96 | 1.76 | | 1.749 | | |
| | 50 | | | 7.86 | 1.66 | | 1.650 | | |
| 1 | 60 | | | 7.75 | 1.55 | | 1.541 | | |
| | 70 | | | 7.63 | 1.43 | | 1.422 | | |
| | 80 | | | 7.54 | 1.34 | | 1.333 | | |
| | 90 | | | 7.48 | 1.28 | | 1.274 | | |
| | 100 | | | 7.40 | 1.20 | | 1.195 | | |
| | 120 | | | 7.32 | 1.12 | | 1.115 | | |
| | 150 | | | 7.19 | 0.99 | | 0.986 | | |
| 3 | 180 | | | 7.11 | 0.91 | | 0.907 | | |

RECORD OF WATER LEVELS

Well No. 9-D

Project _____

Starting Date of Test _____

Stake 6.70

| Time (hr) | Water Level (ft) | | | Drawn Down (ft) | Measured by | Adjustments | | Remarks |
|-----------|-----------------------------|------|------|-----------------|-------------|-------------|------------------|---------|
| | 11.3 RECOVERY | Held | Wet | | | Below MP | De-Water- ing | |
| 240 | | | 6.96 | 0.76 | MK | 0.758 | | |
| 300 | | | 6.89 | .69 | RB | 0.688 | | |
| 360 | | | 6.81 | .61 | } | 0.609 | | |
| 420 | | | 6.75 | .55 | | 0.549 | | |
| 480 | | | 6.70 | .50 | | 0.499 | | |
| 540 | | | 6.67 | .47 | | 0.469 | | |
| 600 | | | 6.64 | .44 | | 0.439 | | |
| 660 | | | 6.62 | .42 | | 0.419 | | |
| 720 | | | 6.58 | .38 | | 0.379 | | |
| 780 | | | | | | ↓ | | |
| 840 | | | 6.55 | .35 | SW | 0.35 | | |
| 900 | | | | | | | | |
| 960 | | | 6.49 | | SW | 0.30 | | |
| 1020 | | | | | | | | |
| 1080 | | | 6.45 | | SW | 0.28 | | |
| | | | | | | | | |
| | | | | | | | | |
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| | | | | | | | | |
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| | | | | | | | | |
| | | | | | | | | |



GEE & JENSON

ENGINEERS-ARCHITECTS-PLANNERS, INC.

2019 OKEECHOBEE BOULEVARD, WEST PALM BEACH, FLORIDA . . . 33409 . . . 305 - 683-3301

FRED A. GREENE, P.E.
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JOHN C. WISE, P.E.

Director Emeritus
H. C. GEE, P.E.
THEODORE B. JENSON, P.E.

8.00
3.33
4.67

MD3D

RECORD OF WATER LEVELS

Well No. 11-D

Project 80-83 Location Martin Downs

Elevation _____ MSL Measuring Point _____

Distance to Pumped Well _____ feet Discharge _____ GPM

Total Depth _____ feet Cased Depth _____ feet Diameter _____ IN

Starting Date of Test 3-16-80 time 1100 hrs

4.73

| Time | | Water Level (ft) | | | Draw - Down (ft) | Mea- sured by | Adjustments | | Remarks |
|------|-------|------------------|------|-------------------------|------------------|---------------|-----------------------|---------------------|----------------|
| (hr) | (min) | Held | Wet | Below MP | | | De- water- ing | Back- ground Levels | |
| | 937 | 8.00 | 3.33 | 4.67 | | HU | | | steel tapa |
| | 959 | | | 4.68 4.72 | - | RB | | | Tapa/Mscope #4 |
| | 1015 | | | 4.69 4.76 | - | | | | tapa/Mscope #B |
| | 1026 | | | 4.72 | - | | | | Mscope #4 |
| | 1055 | | | 4.7 | 4.73 | Start here | | | STATIC |
| | .25 | | | 5.06 | 0.33 | ↓ | 4.0×10^{-4} | 0.33 | |
| | .50 | | | 5.33 | 0.60 | | 1.3×10^{-3} | 0.60 | |
| | .75 | | | 5.55 | .82 | | 2.4×10^{-3} | 0.82 | |
| | 1.00 | | | 5.72 | .99 | | - | 0.99 | |
| | 1.25 | | | 5.89 | 1.12 | | - | 1.12 | |
| | 1.50 | | | 6.00 | 1.27 | | 5.97×10^{-3} | 1.26 | |
| | 1.75 | | | 6.15 | 1.42 | | 7.46×10^{-3} | 1.41 | |
| | 2.00 | | | 6.28 | 1.55 | | 8.9×10^{-3} | 1.54 | |
| | 2.25 | | | 6.38 | 1.65 | | 1.0×10^{-2} | 1.64 | |
| | 2.50 | | | 6.46 | 1.73 | | 1.11×10^{-2} | 1.72 | |
| | 2.75 | | | 6.57 | 1.84 | ↓ | 1.25×10^{-2} | 1.83 | |

RECORD OF WATER LEVELS

Well No. 11-D

Project 80-83

Starting date of Test 3-16-86, 1100 hrs.

4.73

| Time (hr) | (min) | Water Level (ft.) | | | Draw-Down (ft) | Measured by | Adjustments | | Remarks |
|-----------|-------|-------------------|-----|----------|----------------|-------------|-----------------------|--------------------|---------|
| | | Held | Wet | Below MP | | | De-watering | Back-ground Levels | |
| | 3.00 | | | 6.65 | 1.92 | RB | 1.36×10^{-2} | 1.91 | |
| | 3.25 | | | 6.74 | 2.01 | | 1.5×10^{-2} | 2.00 | |
| | 3.50 | | | 6.83 | 2.10 | | 1.6×10^{-2} | 2.08 | |
| | 3.75 | | | 6.88 | 2.15 | | 1.7×10^{-2} | 2.13 | |
| | 4.00 | | | 6.95 | 2.22 | | 1.8×10^{-2} | 2.20 | |
| | 4.25 | | | 7.04 | 2.31 | | 1.97×10^{-2} | 2.29 | |
| | 4.50 | | | 7.09 | 2.36 | | 2.1×10^{-2} | 2.34 | |
| | 4.75 | | | 7.13 | 2.40 | | 2.1×10^{-2} | 2.38 | |
| | 5 | | | 7.20 | 2.47 | | 2.3×10^{-2} | 2.45 | |
| | 6 | | | 7.38 | 2.65 | | 2.6×10^{-2} | 2.62 | |
| | 7 | | | 7.54 | 2.81 | | 2.9×10^{-2} | 2.78 | |
| | 8 | | | 7.87 | 2.94 | | 3.2×10^{-2} | 2.91 | |
| | 9 | | | 7.78 | 3.05 | | 3.4×10^{-2} | 3.02 | |
| | 10 | | | 7.88 | 3.15 | | 3.6×10^{-2} | 3.11 | |
| | 12 | | | 8.05 | 3.32 | | 4.1×10^{-2} | 3.28 | |
| | 14 | | | 8.18 | 3.45 | | 4.4×10^{-2} | 3.41 | |
| | 16 | | | 8.30 | 3.57 | | 4.7×10^{-2} | 3.52 | |
| | 18 | | | 8.40 | 3.67 | | 4.9×10^{-2} | 3.62 | |
| | 20 | | | 8.49 | 3.76 | | 5.2×10^{-2} | 3.71 | |
| | 25 | | | 8.67 | 3.94 | | 5.7×10^{-2} | 3.88 | |
| | 30 | | | 8.81 | 4.07 | | 6.1×10^{-2} | 4.01 | |
| | 35 | | | 8.92 | 4.19 | √ | 6.5×10^{-2} | 4.13 | |



RECORD OF WATER LEVELS

Well No. 11-D

Project 80-83

Starting date of Test 3-16-80, 1100 hrs

4.73

| Time (hr) | (min) | Water Level (ft.) | | | Draw-Down (ft) | Mea-sured by | Adjustments | | Remarks |
|-----------|-------|-------------------|-----|----------|----------------|--------------|----------------------|--------------------|---------|
| | | Held | Wet | Below MP | | | De-water-ing | Back-ground Levels | |
| | 40 | | | 9.01 | 4.28 | RB | 6.7×10^{-2} | 4.21 | |
| | 45 | | | 9.08 | 4.35 | | 7.0×10^{-2} | 4.28 | |
| | 50 | | | 9.16 | 4.43 | | 7.3×10^{-2} | 4.36 | |
| 1 | 60 | | | 9.27 | 4.54 | | 7.6×10^{-2} | 4.46 | |
| | 70 | | | 9.37 | 4.64 | | 7.9×10^{-2} | 4.56 | |
| | 80 | | | 9.45 | 4.72 | | 8.2×10^{-2} | 4.68 | |
| | 90 | | | 9.52 | 4.79 | | 8.5×10^{-2} | 4.71 | |
| | 100 | | | 9.59 | 4.86 | | 8.7×10^{-2} | 4.77 | |
| 2 | 120 | | | 9.69 | 4.96 | ✓ | 9.1×10^{-2} | 4.87 | |
| | 150 | | | 9.80 | 5.07 | ✓ | 9.5×10^{-2} | 4.98 | |
| 3 | 180 | | | 9.89 | 5.16 | ✓ | 9.8×10^{-2} | 5.06 | |
| 4 | 240 | | | 10.00 | 5.27 | HV | .102 | 5.17 | |
| 5 | 300 | | | 10.07 | 5.34 | JF | .11 | 5.26 | |
| 6 | 360 | | | 10.12 | 5.39 | JF | .11 | 5.28 | |
| 7 | 420 | | | 10.18 | 5.45 | JF | .11 | 5.34 | |
| 8 | 480 | | | 10.24 | 5.51 | JF | .11 | 5.40 | |
| 9 | 540 | | | 10.30 | 5.57 | JF | .11 | 5.46 | |
| 10 | 600 | | | 10.33 | 5.60 | JF | .12 | 5.48 | |
| 11 | 660 | | | 10.36 | 5.63 | JF | .12 | 5.51 | |
| 12 | 720 | | | 10.39 | 5.66 | JF | .12 | 5.54 | |
| 13 | 780 | | | 10.40 | 5.67 | RB/JF | .12 | 5.55 | |
| | 840 | | | 10.41 | 5.68 | RB | .12 | 5.56 | |

RECORD OF WATER LEVELS

Well No. 11-D

Project 80-83

Starting date of Test 3-16-80, 1100

4.73

| Time | | Water Level (ft.) | | | Draw-Down (ft) | Measured by | Adjustments | | Remarks |
|------|-------|-------------------|-----|----------|----------------|-------------|-------------|--------------------|---------|
| (hr) | (min) | Held | Wet | Below MP | | | De-watering | Back-ground Levels | |
| 15 | 900 | | | 10.41 | 5.68 | RB | .12 | | 5.56 |
| 16 | 960 | | | 10.43 | 5.70 | | .12 | | 5.58 |
| 17 | 1020 | | | 10.43 | 5.70 | | .12 | | 5.58 |
| 18 | 1080 | | | 10.43 | 5.70 | | .12 | | 5.58 |
| 19 | 1140 | | | 10.44 | 5.71 | | .12 | | 5.59 |
| 20 | 1200 | | | 10.46 | 5.73 | | .12 | | 5.61 |
| 21 | 1260 | | | 10.47 | 5.74 | MK | .12 | | 5.62 |
| 22 | 1320 | | | 10.48 | 5.75 | MK | .12 | | 5.63 |
| 23 | 1380 | | | 10.48 | 5.75 | RB | .12 | | 5.63 |
| 24 | 1440 | | | 10.48 | 5.75 | RB | .12 | | 5.63 |
| 25 | 1500 | | | 10.48 | 5.75 | RB | .12 | | 5.63 |
| 26 | 1560 | | | 10.49 | 5.76 | MK | .12 | | 5.64 |
| 27 | 1620 | | | 10.49 | 5.76 | HV | .12 | | 5.64 |
| 28 | 1680 | | | 10.48 | 5.75 | HV | .12 | | 5.63 |
| 29 | 1740 | | | 10.49 | 5.76 | HV | .12 | | 5.64 |
| 30 | 1800 | | | 10.49 | 5.76 | JF | .12 | | 5.64 |
| 31 | 1860 | | | 10.50 | 5.77 | JF | .12 | | 5.65 |
| 32 | 1920 | | | 10.51 | 5.78 | JF | .12 | | 5.66 |
| 33 | 1980 | | | 10.53 | 5.80 | JF | .12 | | 5.68 |
| 34 | 2040 | | | 10.54 | 5.81 | JF | .12 | | 5.69 |
| 35 | 2100 | | | 10.55 | 5.82 | JF | .12 | | 5.70 |
| 6 | 2160 | | | 10.56 | 5.83 | JF | .13 | .10 | 5.70 |

210
56-1
36-20 2031
3/15/80

RECORD OF WATER LEVELS

Well No. 11-D

Object 80-83

Starting date of Test 3-16-83, 1100hr

| Time | | Water Level (ft.) | | | Draw-Down (ft) | Measured by | Adjustments | | Remarks |
|------|-------|-------------------|-----|----------|----------------|-------------|-------------|--------------------|---------|
| (hr) | (min) | Held | Wet | Below MP | | | De-watering | Back-ground Levels | |
| 37 | 2220 | | | 10.57 | 5.84 | RR | .13 | 5.71 | |
| 38 | 2280 | | | 10.57 | 5.84 | | .13 | 5.71 | |
| 39 | 2340 | | | 10.55 | 5.82 | | .12 | 5.69 | |
| 40 | 2400 | | | 10.55 | 5.82 | | .12 | 5.69 | |
| 41 | 2460 | | | 10.55 | 5.82 | | .12 | 5.69 | |
| 42 | 2520 | | | 10.55 | 5.82 | | .12 | 5.69 | |
| 43 | 2580 | | | 10.54 | 5.81 | RR | .12 | 5.68 | |
| 44 | 2640 | | | 10.54 | 5.81 | | .12 | 5.68 | |
| 45 | 2700 | | | 10.54 | 5.81 | | .12 | 5.68 | |
| 46 | 2760 | | | 10.55 | 5.82 | | .12 | 5.69 | |
| 47 | 2820 | | | 10.55 | 5.82 | | .12 | 5.69 | |
| 48 | 2880 | | | 10.56 | 5.83 | | .13 | 5.70 | |
| 49 | 2940 | | | 10.57 | 5.84 | MK | .13 | 5.71 | 12 NOON |
| 50 | 3000 | | | 10.56 | 5.83 | MK | .13 | 5.70 | |
| 51 | 3060 | | | 10.55 | 5.82 | SN | .12 | 5.69 | |
| 52 | 3120 | | | 10.55 | 5.82 | SN | .12 | 5.69 | |
| 53 | 3180 | | | 10.55 | 5.82 | MK | .12 | 5.69 | |
| 54 | 3240 | | | 10.55 | 5.82 | MK | .12 | 5.69 | |
| 55 | 3300 | | | 10.58 | 5.85 | JF | .13 | 5.72 | 6:00 |
| 56 | 3360 | | | 10.59 | 5.86 | GR | .13 | 5.73 | |
| 57 | 3420 | | | 10.61 | 5.88 | GR | .13 | 5.75 | |
| 3 | 3480 | | | 10.64 | 5.91 | GR | .13 | 5.78 | 9:00 |



RECORD OF WATER LEVELS

MD3DR

Well No. OW-3D

Project 80-83

Starting date of Test 3-16-80, 1100 hrs

static 4.73

| Time (hr) | (min) | Water Level (ft.) | | | Draw-Down (ft) | Mea-sured by | Adjustments | | Remarks |
|-----------|-------|-------------------|-----|----------|----------------|--------------|--------------|--------------------|----------|
| | | Held | Wet | Below MP | | | De-water-ing | Back-ground Levels | |
| RECOVERY | | | | | | | | | 50-0.007 |
| | .25 | | | 10.46 | 5.73 | SN | 5.608 | | |
| | .50 | | | - | | | | | |
| | .75 | | | 9.95 | 5.22 | | 5.119 | | |
| | 1.00 | | | 9.68 | 4.95 | | 4.859 | | |
| | 1.25 | | | 9.51 | 4.78 | | 4.695 | | |
| | 1.50 | | | 9.36 | 4.63 | | 4.551 | | |
| | 1.75 | | | 9.22 | 4.49 | | 4.415 | | |
| | 2.00 | | | 9.05 | 4.33 | | 4.261 | | |
| | 2.25 | | | 8.94 | 4.21 | | 4.144 | | |
| | 2.50 | | | 8.85 | 4.12 | | 4.057 | | |
| | 2.75 | | | 8.79 | 4.06 | | 3.999 | | |
| | 3.00 | | | 8.71 | 3.98 | | 3.921 | | |
| | 3.25 | | | 8.65 | 3.92 | | 3.863 | | |
| | 3.50 | | | 8.58 | 3.85 | | 3.795 | | |
| | 3.75 | | | 8.52 | 3.79 | | 3.737 | | |
| | 4.00 | | | 8.46 | 3.73 | | 3.678 | | |
| | 4.25 | | | 8.40 | 3.67 | | 3.620 | | |
| | 4.50 | | | 8.36 | 3.63 | | 3.581 | | |
| | 4.75 | | | 8.31 | 3.58 | | 3.533 | | |
| | 5.00 | | | 8.26 | 3.53 | | 3.484 | | |



RECORD OF WATER LEVELS

Well No. 11-D (OW-3D)

Project 80-83

Starting date of Test 3-16-80, 1100hr

static 4.73

| Time (hr) | (min) | Water Level (ft.) | | | Draw-Down (ft) | Measured by | Adjustments | | Remarks |
|-----------|-------|-------------------|-----|----------|----------------|-------------|-------------|--------------------|---------|
| | | Held | Wet | Below MP | | | De-watering | Back-ground Levels | |
| | 6 | | | 8.10 | 3.37 | SN | 3.328 | | |
| | 7 | | | 7.96 | 3.73 | | 3.191 | | |
| | 8 | | | 7.81 | 3.08 | | 3.045 | | |
| | 9 | | | 7.72 | 2.99 | | 2.957 | | |
| | 10 | | | 7.62 | 2.89 | | 2.859 | | |
| | 12 | | | 7.45 | 2.72 | | 2.693 | | |
| | 14 | | | 7.32 | 2.59 | | 2.565 | | |
| | 16 | | | 7.21 | 2.48 | | 2.459 | | |
| | 18 | | | 7.11 | 2.38 | | 2.359 | | |
| | 20 | | | 7.02 | 2.29 | | 2.271 | | |
| | 25 | | | 6.85 | 2.12 | | 2.103 | | |
| | 30 | | | 6.70 | 1.97 | | 1.956 | | |
| | 35 | | | 6.57 | 1.84 | | 1.827 | | |
| | 40 | | | 6.48 | 1.75 | | 1.739 | | |
| | 45 | | | 6.41 | 1.68 | | 1.670 | | |
| | 50 | | | 6.33 | 1.60 | | 1.591 | | |
| 1 | 60 | | | 6.22 | 1.49 | | 1.482 | | |
| | 70 | | | 6.11 | 1.38 | | 1.373 | | |
| | 80 | | | 6.03 | 1.30 | | 1.294 | | |
| | 90 | | | 5.96 | 1.23 | | 1.224 | | |
| | 100 | | | 5.88 | 1.15 | | 1.145 | | |
| | 120 | | | 5.79 | 1.06 | ↓ | 1.056 | | |
| | 150 | | | 5.67 | 0.94 | MK | 0.937 | | |
| 3 | 180 | | | 5.55 | 0.82 | MK | 0.818 | | |



GEE & JENSON

ENGINEERS-ARCHITECTS-PLANNERS, INC.

2019 OKEECHOBEE BOULEVARD, WEST PALM BEACH, FLORIDA . . . 33409 . . . 305 - 683-3301

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WALTER D. STEPHENS, JR., P.E.
WILLIAM G. WALLACE, JR., P.L.S.
PHILIP A. CRANNELL JR., A.I.A.
JOHN C. WISE, P.E.

Director Emeritus
H. C. GEE, P.E.
THEODORE B. JENSON, P.E.

RECORD OF WATER LEVELS

Well No. 12-S

Project 80-83 Location Martin Downs

Elevation _____ MSL Measuring Point _____

Distance to Pumped Well _____ feet Discharge 850 GPM

Total Depth _____ feet Cased Depth _____ feet Diameter _____ IN

Starting Date of Test 3-16-80 Time 11:00 hrs

| Time | | Water Level (ft) | | | Draw-Down (ft) | Measured by | Adjustments | | Remarks |
|------|-------|------------------|------|-------------------------|----------------|-------------|-------------|--------------------|-----------------|
| (hr) | (min) | Held | Wet | Below MP | | | De-watering | Back-ground Levels | |
| | 0939 | 9.00 | 2.87 | 6.23 | | HV | | | steel tape |
| | 0957 | | | 6.23 6.24 | | RB | | | tape/M-scope #1 |
| | 1028 | | | 6.22 | | RB | | | |
| | 11.00 | | | 6.22 | | HV | | | |
| | | | | | 6.22 | | | | STATIC |
| | .25 | | | | | | | | |
| | .50 | | | 6.09 | -0.13 | HV | | | |
| | .75 | | | 6.05 | -0.17 | HV | | | |
| | 1.00 | | | 6.04 | -0.18 | HV | | | |
| | 1.25 | | | 6.03 | -0.19 | HV | | | |
| | 1.50 | | | 6.03 | -0.19 | HV | | | |
| | 1.75 | | | 6.03 | -0.19 | HV | | | |
| | 2.00 | | | 6.03 | -0.19 | HV | | | |
| | 2.25 | | | 6.03 | -0.19 | HV | | | |
| | 2.50 | | | 6.04 | -0.18 | HV | | | |
| | 2.75 | | | 6.05 | -0.17 | HV | | | |

RECORD OF WATER LEVELS

Well No. 12-S

Project 80-83

Starting date of Test 3-16-80, 1100 hr

| Time | | Water Level (ft.) | | | Draw-Down (ft) | Measured by | Adjustments | | Remarks |
|------|-------|-------------------|-----|----------|----------------|-------------|-------------|--------------------|---------|
| (hr) | (min) | Held | Wet | Below MP | | | De-watering | Back-ground Levels | |
| | 3.00 | | | 6.05 | -0.17 | HV | | | |
| | 3.25 | | | 6.05 | -0.17 | HV | | | |
| | 3.50 | | | 6.05 | -0.17 | HV | | | |
| | 3.75 | | | 6.06 | -0.16 | HV | | | |
| | 4.00 | | | 6.07 | -0.15 | HV | | | |
| | 4.25 | | | 6.07 | -0.15 | HV | | | |
| | 4.50 | | | 6.08 | -0.14 | HV | | | |
| | 4.75 | | | 6.09 | -0.13 | HV | | | |
| | 5 | | | 6.10 | -0.12 | HV | | | |
| | 6 | | | 6.13 | -0.09 | HV | | | |
| | 7 | | | 6.16 | -0.06 | HV | | | |
| | 8 | | | 6.21 | -0.01 | HV | | | |
| | 9 | | | 6.23 | 0.01 | HV | | | |
| | 10 | | | 6.27 | 0.05 | HV | | | |
| | 12 | | | 6.33 | 0.11 | HV | | | |
| | 14 | | | 6.38 | 0.16 | HV | | | |
| | 16 | | | 6.44 | 0.22 | HV | | | |
| | 18 | | | 6.48 | 0.26 | HV | | | |
| | 20 | | | 6.53 | 0.31 | HV | | | |
| | 25 | | | 6.62 | 0.40 | HV | | | |
| | 30 | | | 6.70 | 0.48 | HV | | | |
| | 35 | | | 6.78 | 0.56 | HV | | | |

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RECORD OF WATER LEVELS

Well No. 12-S

Project 80-83

Starting date of Test 3-16-80, 1100hrs

6.22

| Time | | Water Level (ft.) | | | Draw-Down (ft) | Measured by | Adjustments | | Remarks |
|------|-------|-------------------|-----|----------|----------------|-------------|-------------|--------------------|---------|
| (hr) | (min) | Held | Wet | Below MP | | | De-watering | Back-ground Levels | |
| | 40 | | | 6.84 | 0.62 | HV | | | |
| | 45 | | | 6.89 | 0.67 | HV | | | |
| | 50 | | | 6.94 | 0.72 | HV | | | |
| 1 | 60 | | | 7.02 | 0.80 | HV | | | |
| | 70 | | | 7.08 | 0.86 | HV | | | |
| | 80 | | | 7.14 | 0.92 | HV | | | |
| | 90 | | | 7.18 | 0.96 | HV | | | |
| | 100 | | | 7.22 | 1.00 | HV | | | |
| 2 | 120 | | | 7.29 | 1.07 | RB | 1.06 | | |
| | 150 | | | 7.37 | 1.15 | RB | 1.44 | | |
| 3 | 180 | | | 7.43 | 1.21 | RB | 1.20 | | |
| 4 | 240 | | | 7.51 | 1.29 | HV | 1.28 | | |
| 5 | 300 | | | 7.58 | 1.36 | JF | 1.35 | | |
| 6 | 360 | | | 7.62 | 1.40 | JF | 1.39 | | |
| 7 | 420 | | | 7.66 | 1.44 | JF | 1.43 | | |
| 8 | 480 | | | 7.68 | 1.46 | JF | 1.45 | | |
| 9 | 540 | | | 7.72 | 1.50 | JF | 1.49 | | |
| 10 | 600 | | | 7.74 | 1.52 | JF | 1.51 | | |
| 11 | 660 | | | 7.75 | 1.53 | JF | 1.52 | | |
| 12 | 720 | | | 7.77 | 1.55 | JF | 1.54 | | |
| 13 | 780 | | | 7.78 | 1.56 | RBTF | 1.55 | | |
| | 840 | | | 7.79 | 1.57 | RB | 1.56 | | |



RECORD OF WATER LEVELS

Well No. 12-S

Project 80-83

Starting date of Test 3-16-80, 1100hrs

6.22

| Time | | Water Level (ft.) | | | Draw-Down (ft) | Measured by | Adjustments | | Remarks |
|------|-------|-------------------|-----|----------|----------------|-------------|-------------|--------------------|---------|
| (hr) | (min) | Held | Wet | Below MP | | | De-watering | Back-ground Levels | |
| 15 | 900 | | | 7.79 | 1.57 | RB | 1.56 | | |
| 16 | 960 | | | 7.80 | 1.58 | RB | 1.57 | | |
| 17 | 1020 | | | 7.81 | 1.59 | RB | 1.58 | | |
| 18 | 1080 | | | 7.82 | 1.60 | RB | 1.59 | | |
| 19 | 1140 | | | 7.83 | 1.61 | RB | 1.60 | | |
| 20 | 1200 | | | 7.83 | 1.61 | RB | 1.60 | | |
| 21 | 1260 | | | 7.83 | 1.61 | MK | 1.60 | | |
| 22 | 1320 | | | 7.83 | 1.61 | MK | 1.60 | | |
| 23 | 1380 | | | 7.84 | 1.62 | RB | 1.61 | | |
| 24 | 1440 | | | 7.85 | 1.63 | RB | 1.62 | | |
| 25 | 1500 | | | 7.85 | 1.63 | MK | 1.62 | | |
| 26 | 1560 | | | 7.85 | 1.63 | MK | 1.62 | | |
| 27 | 1620 | | | 7.85 | 1.63 | HU | 1.62 | | |
| 28 | 1680 | | | 7.85 | 1.63 | HU | 1.62 | | |
| 29 | 1740 | | | 7.85 | 1.63 | HU | 1.62 | | |
| 30 | 1800 | | | 7.86 | 1.64 | HU | 1.63 | | |
| 31 | 1860 | +15 | | 7.88 | 1.66 | JF | 1.65 | | |
| 32 | 1920 | | | 7.89 | 1.67 | JF | 1.66 | | |
| 33 | 1980 | | | 7.90 | 1.68 | JF | 1.67 | | |
| 34 | 2040 | | | 7.91 | 1.69 | JF | 1.68 | | |
| 35 | 2100 | | | 7.91 | 1.69 | JF | 1.68 | | |
| 5 | 2160 | | | 7.91 | 1.69 | JF | 1.68 | | |

RECORD OF WATER LEVELS

Well No. 12-S

Project 80-83

Starting date of Test 3-16-80, 1100hrs

125
136
147
158
169
180
191
202
213
224
235
246
257
268
279
290
301
312
323
334
345
356
367
378
389
400

| Time (hr) | (min) | Water Level (ft.) | | | Draw-Down (ft) | Mea-sured by | Adjustments | | Remarks |
|-----------|-------|-------------------|-----|-----------|----------------|--------------|-------------|--------------------|---------|
| | | Held | Wet | Below MP. | | | De-watering | Back-ground Levels | |
| 37 | 2220 | | | 7.92 | 1.70 | RPJF | 1.69 | | |
| 38 | 2280 | | | 7.92 | 1.70 | ↓ | 1.69 | | |
| 39 | 2340 | | | 7.92 | 1.70 | ↓ | 1.69 | | |
| 40 | 2400 | | | 7.92 | 1.70 | ↓ | 1.69 | | |
| 41 | 2460 | | | 7.92 | 1.70 | ↓ | 1.69 | | |
| 42 | 2520 | | | 7.92 | 1.70* | ↓ SF | 1.69 | | |
| 43 | 2580 | | | 7.93 | 1.71 | RB | 1.71 | | |
| 44 | 2640 | | | 7.93 | 1.71 | ↓ SF | 1.71 | | |
| 45 | 2700 | | | 7.94 | 1.72 | ↓ | 1.71 | | |
| 46 | 2760 | | | 7.94 | 1.72 | ↓ | 1.71 | | |
| 47 | 2820 | | | 7.94 | 1.72 | ↓ | 1.71 | | |
| 48 | 2880 | | | 7.94 | 1.72 | ↓ | 1.71 | | |
| 49 | 2940 | | | 7.95 | 1.73 | MK | 1.72 | | |
| 50 | 3000 | | | 7.94 | 1.72 | MK | 1.71 | | |
| 51 | 3060 | | | 7.95 | 1.73 | SN | 1.72 | | |
| 52 | 3120 | | | 7.95 | 1.73 | MK | 1.72 | | |
| 53 | 3180 | | | 7.95 | 1.73 | MK | 1.72 | | |
| 54 | 3240 | | | 7.95 | 1.73 | MK | 1.72 | | |
| 55 | 3300 | | | 7.97 | 1.75 | SF | 1.74 | | |
| 56 | 3360 | | | 7.97 | 1.75 | GR | 1.74 | | |
| 57 | 3420 | | | 8.00 | 1.78 | GR | 1.77 | | |
| 3 | 3480 | | | 8.00 | 1.78 | GR | 1.77 | | |

RECORD OF WATER LEVELS

Well No. 12-S OW-15

Project 80-83

Starting date of Test 3-16-80, 1100 hrs

static 6.22

| Time | | Water Level (ft.) | | | Draw-Down (ft) | Meas-ured by | Adjustments | | Remarks |
|----------|-------|-------------------|-----|----------|----------------|--------------|--------------|--------------------|---------|
| (hr) | (min) | Held | Wet | Below MP | | | De-water-ing | Back-ground Levels | |
| RECOVERY | | | | | | | | | |
| | 1055 | | | 8.04 | 1.92 | HV | | | |
| | .25 | | | 8.09 | 1.87 | | | | |
| | .50 | | | 8.19 | 1.97 | | | | |
| | .75 | | | 8.20 | 1.98 | | | | |
| | 1.00 | | | 8.22 | 2.00 | | | | |
| | 1.25 | | | 8.22 | 2.00 | | | | |
| | 1.50 | | | 8.22 | 2.00 | | | | |
| | 1.75 | | | 8.23 | 2.01 | | | | |
| | 2.00 | | | 8.23 | 2.01 | | | | |
| | 2.25 | | | 8.23 | 2.01 | | | | |
| | 2.50 | | | 8.22 | 2.00 | | | | |
| | 2.75 | | | 8.00 | 1.78 | | | | |
| | 3.00 | | | 8.19 | 1.97 | | | | |
| | 3.25 | | | 8.18 | 1.96 | | | | |
| | 3.50 | | | 8.17 | 1.95 | | | | |
| | 3.75 | | | 8.16 | 1.94 | | | | |
| | 4.00 | | | 8.16 | 1.94 | | | | |
| | 4.25 | | | 8.15 | 1.93 | | | | |
| | 4.50 | | | 8.15 | 1.93 | | | | |
| | 4.75 | | | 8.14 | 1.92 | | | | |
| | 5.00 | | | 8.12 | 1.90 | | | | |



RECORD OF WATER LEVELS

Well No. 12-S

Object 80-83

Starting date of Test 3-16-80, 1100hr

| Time (hr) | (min) | Water Level (ft.) | | | Draw-Down (ft) | Mea-sured by | Adjustments | | Remarks |
|-----------|-------|-------------------|-----|----------|----------------|--------------|--------------|--------------------|---------|
| | | Held | Wet | Below MP | | | De-water-ing | Back-ground Levels | |
| | 6 | | | 8.09 | 1.87 | HV | | | |
| | 7 | | | 8.06 | 1.84 | | | | |
| | 8 | | | 8.03 | 1.81 | | | | |
| | 9 | | | 7.99 | 1.77 | | | | |
| | 10 | | | 7.95 | 1.73 | | | | |
| | 12 | | | 7.90 | 1.68 | | | | |
| | 14 | | | 7.84 | 1.62 | | | | |
| | 16 | | | 7.79 | 1.57 | | | | |
| | 18 | | | 7.74 | 1.52 | | | | |
| | 20 | | | 7.70 | 1.48 | | | | |
| | 25 | | | 7.60 | 1.38 | | | | |
| | 30 | | | 7.52 | 1.30 | | | | |
| | 35 | | | 7.45 | 1.23 | | | | |
| | 40 | | | 7.38 | 1.16 | | | | |
| | 45 | | | 7.34 | 1.12 | | | | |
| | 50 | | | 7.29 | 1.07 | | | | |
| 1 | 60 | | | 7.21 | 0.99 | | | | |
| | 70 | | | 7.14 | 0.92 | | | | |
| | 80 | | | 7.10 | 0.88 | | | | |
| | 90 | | | 7.04 | 0.82 | | | | |
| | 100 | | | 7.00 | 0.78 | | | | |
| | 120 | | | 6.94 | 0.72 | | | | |
| | 150 | | | 6.85 | 0.63 | MK | | | |
| 3 | 180 | | | 6.85 | 0.58 | MK | | | |



RECORD OF WATER LEVELS

Well No. 12-9

Project 80-83 Martin Downs

Starting Date of Test 3-16-80, time 1100 hrs.
6.22

| Time (hr) | Water Level (ft) | Drawn-Down (ft) | Measured by | Adjustments | | Remarks |
|-----------|------------------|-----------------|-------------|-------------|--------------------|---------|
| | | | | De-Watering | Back-ground Levels | |
| RECOVERY | | 6.22 | | | | |
| 4 | 6.74 | .52 | MC | | | |
| 5 | 6.69 | .47 | GR | | | 1600 |
| 6 | 6.66 | .44 | R.B | | | |
| 7 | 6.62 | .40 | | | | |
| 8 | 6.59 | .37 | | | | |
| 9 | 6.57 | .35 | | | | |
| 10 | 6.55 | .33 | | | | |
| 11 | 6.54 | .32 | | | | |
| 12 | 6.53 | .30 | | | | |
| 13 | — | — | ↓ | | | |
| | 6.51 | .27 | SN | | | |
| | 6.46 | 0.24 | HV | | | 1600 |
| | 6.45 | 0.23 | Int | | | 1600 |