

DEERFIELD BEACH APT SUMMARY SHEET

Background Data

APT No.: 1 Date: 12-16-92 Interval Tested: 956'-1130 h = 174'

Distance to Monitor Well: 367'

Casing Diameter: Production Well: 12" Monitor Well: 6"

Static Water Level Monitor (G.L.) Before Pumping: 27.3' After Recovery: 27.3' (GL)  
(GL) NGVD = 42.55'

Measuring Point Distance to Kelly Bushing: —

Distance from G.L To Rig's Kelly Bushing: 10.0'

Maximum Drawdown During Pumping: 1.3' Aquifer Total Pumping Time: 344 mins.

Average Pumping Rate (GPM): 1200

Min. Pumping Rate (GPM): 1180

Max. Pumping Rate (GPM): 1210

Pump Type: Centrifugal

I.D. Drill Prod. Well Casing: 11.5"

Tester: CDM  
SPURD

Driller: Meredith

Hermit #:

Input #1 Transducer#: Range: Depth Lowered To:

Input #2 Transducer#: Range: Depth Lowered To:

Time Pumping Started: 12/16 19:49 Time Pumping Ended: 12/16 01:33 Total Pumping Time: 344 mins

Analysis

Transmissivity: 180,733 GPD/FT  
24,159  $\frac{FT^2}{D}$   
Storage:  $1.33 \times 10^{-6}$  Leakance: .0634/DAY

Water Quality

Cond.: 5690 Temp.: pH:

Method of Analysis: Hantush Type Curve

TDS: D.O.: Sulfides:

Software Used: Agtesolv

MAJOR ION CONCENTRATIONS MG/L

Specific Capacity: 42 (as per CDM)

Cations Anions

Friction Loss (Observed):

CALCIUM ALCO3

Static Head: 27.3 (GL)  
42.55 (NGVD)

MG CL 1750

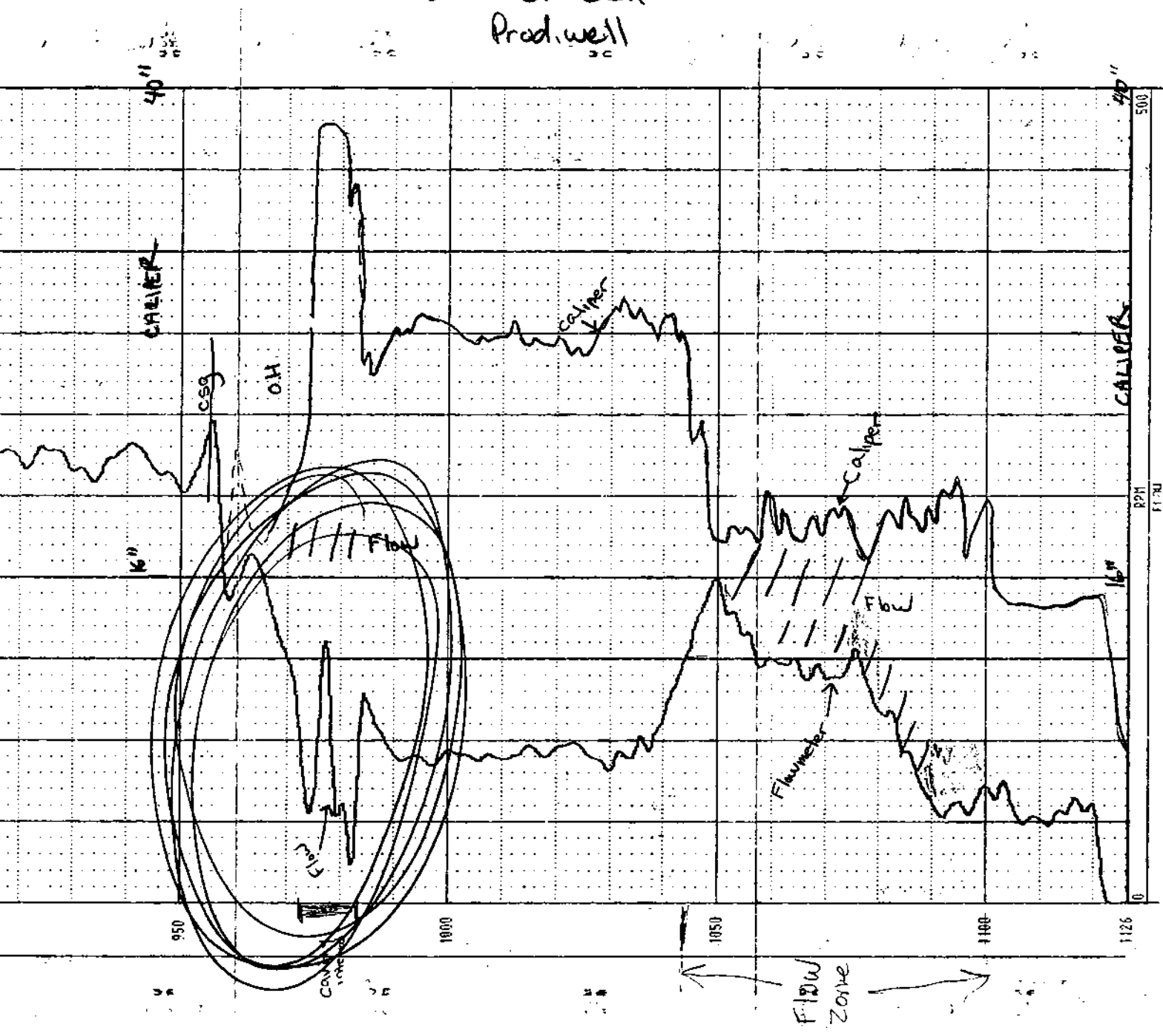
NA SO4

K SIO2

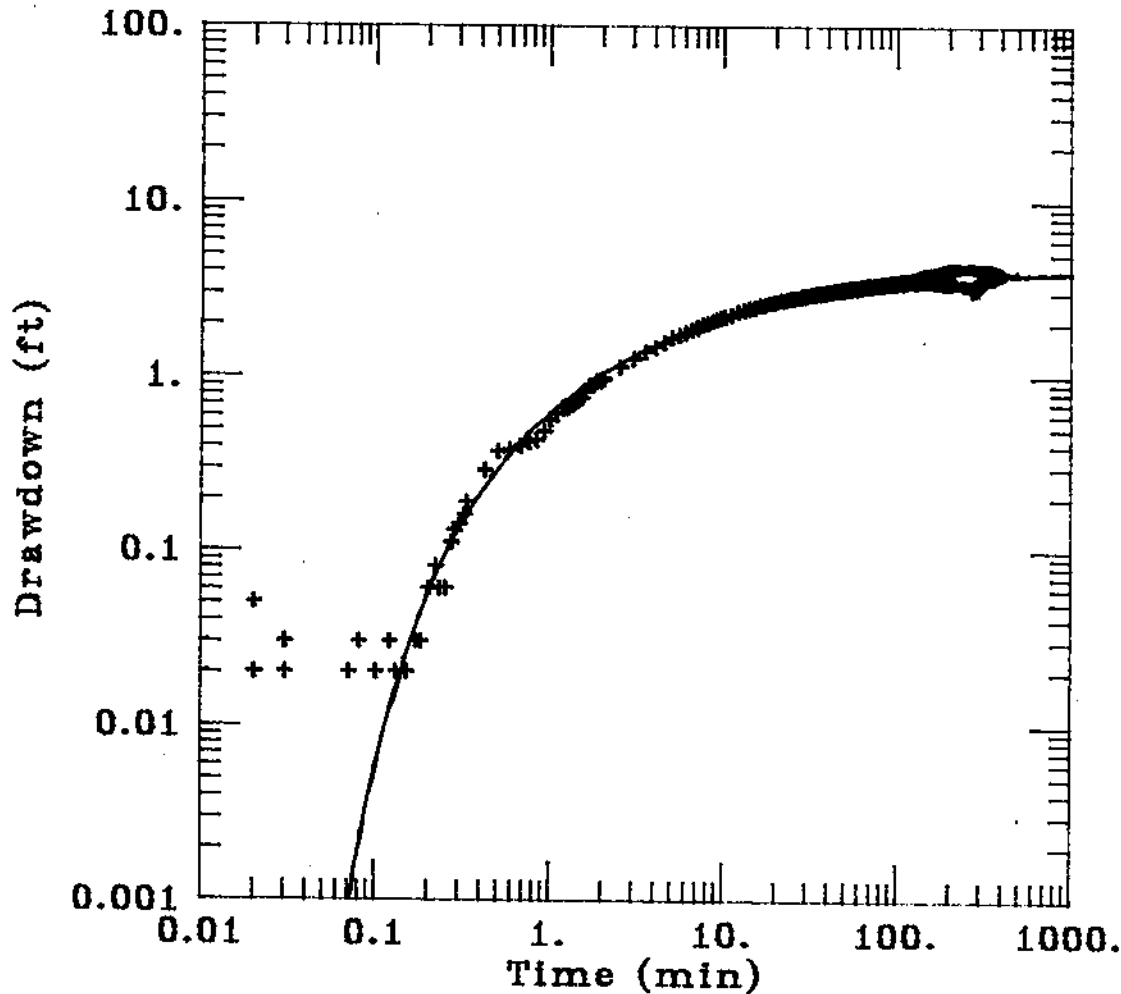
$$K = \frac{24,159}{265'} = 372 \frac{FT}{DAY}$$

\* 65' used, composite permeable interval

# Deerfield Bch Prod. well



## Deerfield Beach FAS Drawdown Data



**DATA SET:**

a: mondd.aqt

01/13/93

**AQUIFER TYPE:**

Leaky

**SOLUTION METHOD:**

Hantush

**ESTIMATED PARAMETERS:**

$T = 2.4159E+04 \text{ ft}^2/\text{min}$

$S = 0.0008$  *10^-6*

$r/B = 0.08834$  *10^-6*

**TEST DATA:**

$Q = 2.3098E+05 \text{ ft}^3/\text{min}$

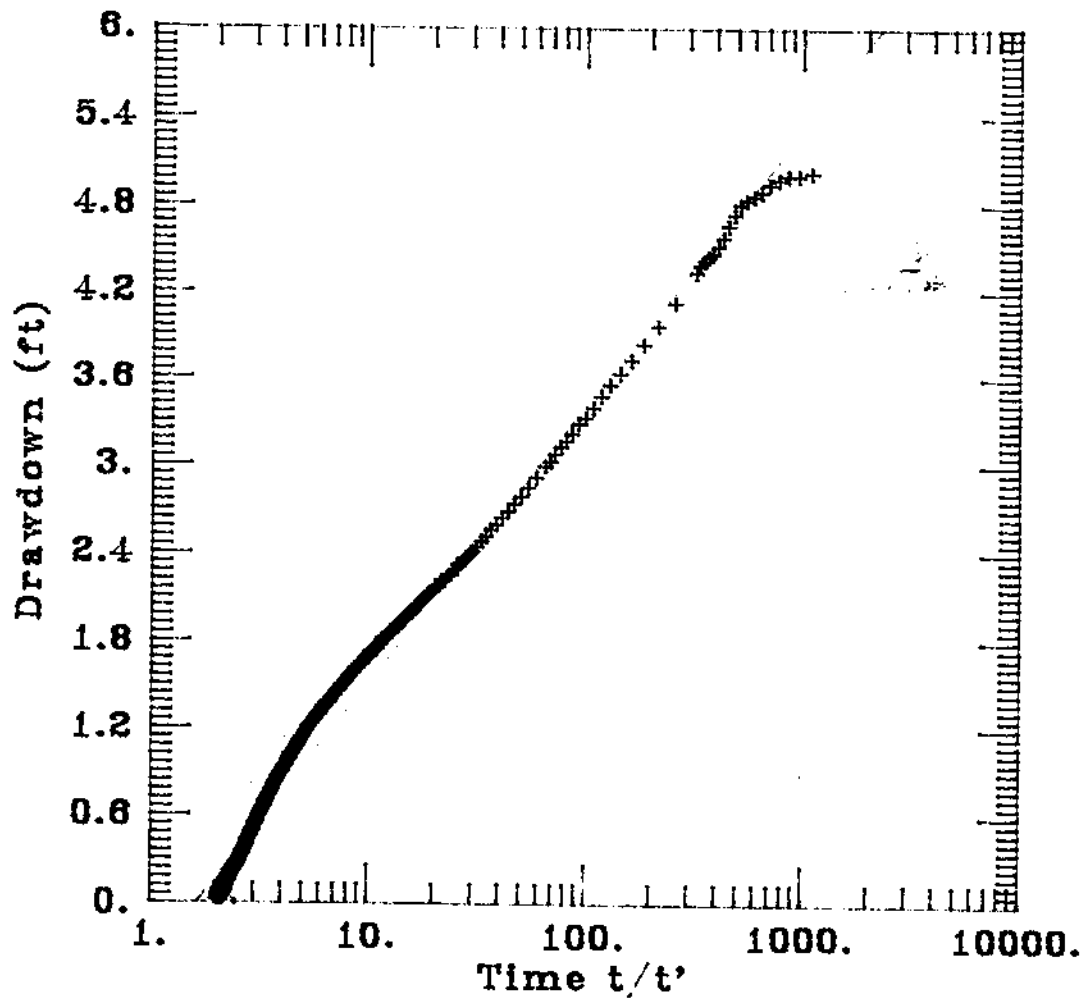
$r = 367. \text{ ft}$

$r_c = 0.5 \text{ ft}$

$r_w = 0.5 \text{ ft}$

$\frac{r}{B} = \frac{4T(S)}{Q} = 0.0634 / \text{min}$   
 $T = 190,733 \text{ ft}^2/\text{min}$   
 $S = 1.33 \times 10^{-6}$

## Deerfield Beach FAS Recovery Data



DATA SET:

a: monrec.aqt

01/13/93

AQUIFER TYPE:

Confined

SOLUTION METHOD:

Theis Recovery

ESTIMATED PARAMETERS:

$T = 15.38 \text{ ft}^2/\text{min}$

$S' = 1.643$

TEST DATA:

$Q = 160.4 \text{ ft}^3/\text{min}$

$t \text{ pumping} = 636. \text{ min}$

165,283 gal/ft