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' (GL) After Recovery: 27.3'(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): 1206

Min. Pumping Rate (GPM): 1180 Max. Puming Rate (GPM): 1210

Pump Type: Centrifugal

I.D. Drill Prod. Well Casing: 11.5" Tester: CDM Spund Driller: Meredith

Hermit #:

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

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

Time Pumping Started: 12/10 19:49 Time Pumping Ended: 12/11 0133 Total Pumping Time: 344 mins

Analysis

Transmissivity: 180,733 GPD/FT 24,159 $\frac{Ft^2}{D}$

Storage: $1.33 e^{-6}$ Leakance: .0634/DAY

Method of Analysis: Hantush Type Curve

Software Used: Aqtesolv

Specific Capacity: 42 (as per CDM)

Friction Loss (Observed):

Static Head: 27.3 (GL) 42.55 (NGVD)

$K = \frac{24,159}{\approx 65'} = 372 \frac{Ft}{DAY}$

* 65' used, composite permeable interval

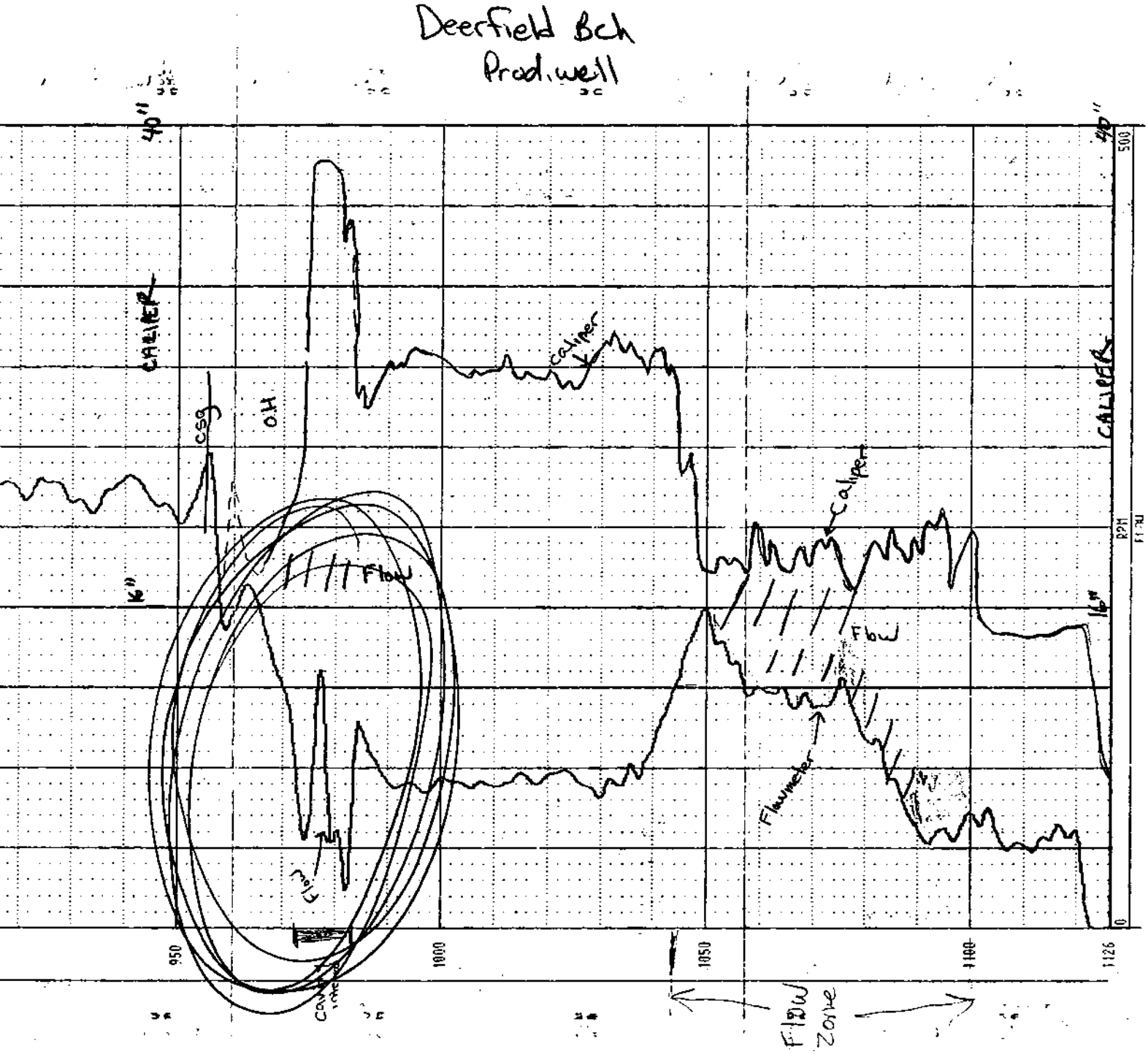
Water Quality

Cond.: 5690 Temp.: pH:

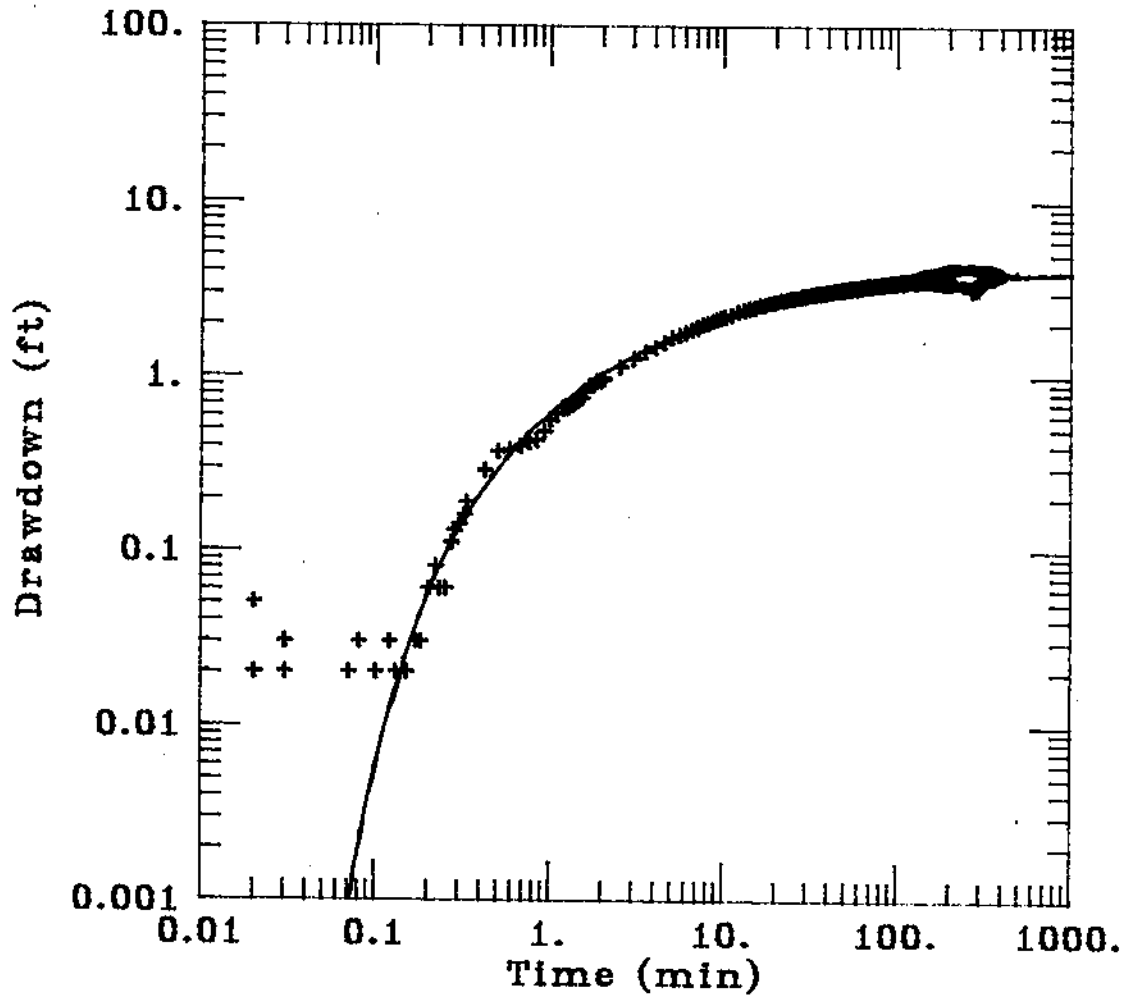
TDS: D.O.: Sulfides:

MAJOR ION CONCENTRATIONS MG/L

Cations	Anions
CALCIUM	ALCO3
MG	CL 1750
NA	SO4
K	SIO2


Deerfield Bch
Prod. well
40"
CALIPER
csg
O.H
caliper
caliper
Flow
Flow
Flow
Flowmeter
16"
6"
CALIPER
RPM
500
0
950
1000
1050
1100
1126
Flow Zone

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 ft^2/min
S = 0.0448
r/B= 0.08834

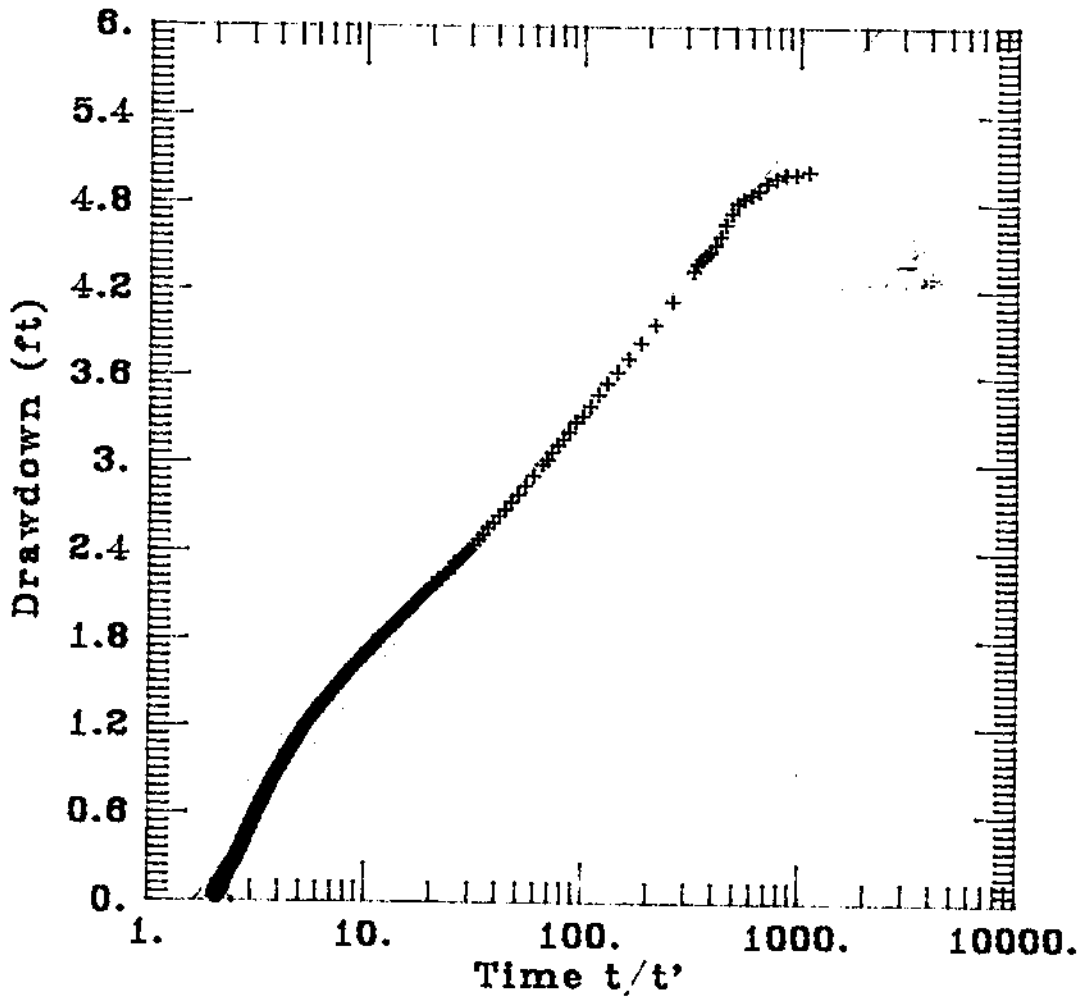
TEST DATA:
Q = 2.3098E+05 ft^3/min
r = 367. ft
rc = 0.5 ft
rw = 0.5 ft

$\frac{K'}{b'} = \frac{4T(\quad)}{\quad}$ .0634/day

T= 180,733 gpd/ft

S= 1.33x 10^{-6}

Deerfield Beach FAS Recovery Data



DATA SET:
a:monrec.aqt
01/13/93

AQUIFER TYPE:
Confined

SOLUTION METHOD:
Theis Recovery

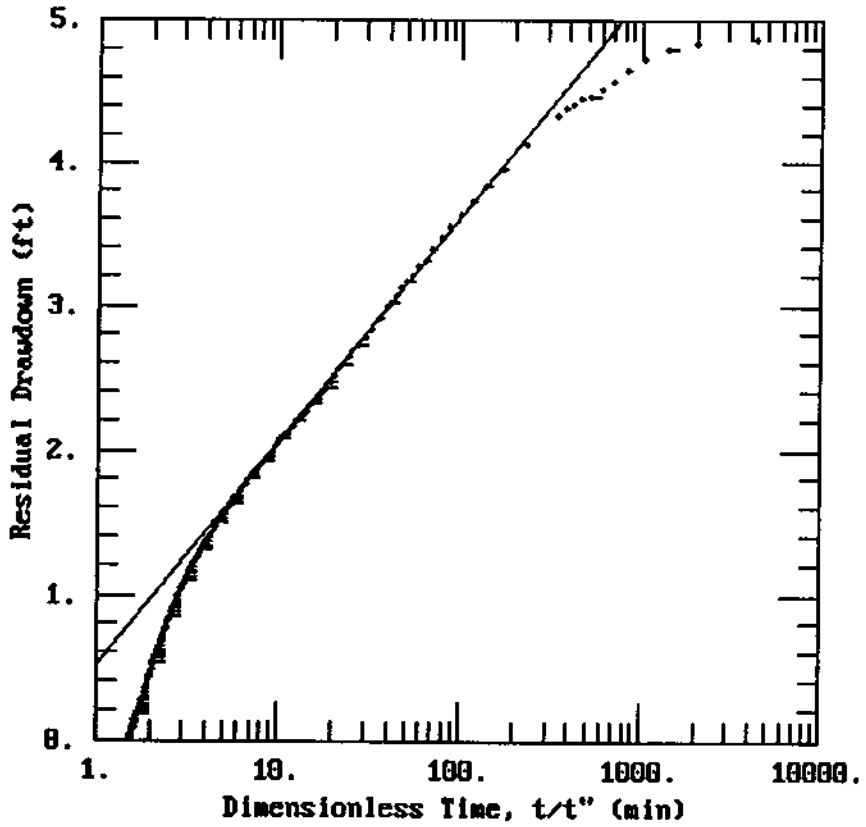
ESTIMATED PARAMETERS:
T = 15.38 ft^2/min
S' = 1.643

TEST DATA:
Q = 160.4 ft^3/min
t pumping = 636. min

COMPANY: SFWMD

LOCATION: Deerfield Beach Utilities

Deerfield Beach Recovery



DATA SET:
DFRECFIN.AQT
10/24/96

AQUIFER MODEL:
Confined

SOLUTION METHOD:
Theis Recovery

PROJECT DATA:
test date: 12/10/92
test well: DFB-R01
obs. well: DFB-OBS

TEST DATA:
Q = 1200. gal/min
r = 367. ft
r_c = 1. ft
r_w = 1. ft
b = 168. ft

PARAMETER ESTIMATES:
T = 2.031E+05 gal/day/ft
S' = 0.4713

AQTESOLV