

TABLE 1

CONSTRUCTION DETAILS OF WELLS
ASSOCIATED WITH PW1 AND PW2
WEST PALM BEACH, FLORIDA

<u>Well No.</u>	<u>Total Depth (feet)</u>	<u>Screened Interval (feet)</u>	<u>Elevation of Top of Casing (feet above NGVD)</u>	<u>Distance from Associated Pumping Well (feet)</u>
PW1	150 (pilot)	80-121 (open)	18.32	--
OB1-1	154	70-150	19.14	300
OB1-2	42	20- 40	19.19	305
OB1-3	154	70-150	20.05	1300
OB1-4	42	20- 40	19.98	1300
OB1-5	42	20- 40	24.02	1470
OB1-6	154	70-150	21.12	305
OB1-7	42	20- 40	21.30	300
OB1-8	154	70-150	21.51	1300
OB1-9	154	70-150	19.04	300
OB1-10	42	20- 42	18.94	295
PW2	180 (pilot)	80-101 (open)	16.99	--
OB2-1	154	70-150	19.08	300
OB2-2	154	70-150	19.09	800
OB2-3	120*	80-120*(open)	17.33	870
OB2-4	14.5	12.5-14.5*	17.89	57

*approximate

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TABLE 3

SUMMARY OF COEFFICIENT OF TRANSMISSIVITY VALUES
 DETERMINED FROM
CONSTANT-RATE PUMPING TEST AT PWL
 72 hour test Q = 1392 GPM
 WEST PALM BEACH, FLORIDA

Representative Values T = 300,000 GPD/FT S_y = .10

<u>Observation Well No.</u>	<u>Data Used</u>	<u>Analysis Type</u>	<u>Coefficient of Transmissivity (gallons per day per foot)</u>
OBL-1	D	LL	242,000
	D	SL	306,000
	R	LL	275,000
	R	SL	311,000
OBL-3	D	LL	420,000
	R	SL	408,000
OBL-6	D	LL	238,000
	D	SL	272,000
	R	LL	253,000
	R	SL	294,000
OBL-8	D	LL	456,000
OBL-9	D	LL	249,000
	D	SL	306,000
	R	LL	266,000
	R	SL	306,000
PWL	D	SL	278,000

Not considered representative

Not considered representative

- D - drawdown
- R - recovery
- LL - full-logarithmic analysis (from Boulton, 1963)
- SL - semi-logarithmic analysis (from Cooper and Jacob, 1946)

LL's not used considered biased by partial penetration, also considered less likely to be affected by same method

TABLE 4

SUMMARY OF COEFFICIENT OF TRANSMISSIVITY VALUES
DETERMINED FROM
CONSTANT-RATE PUMPING TEST AT PW2

24 hr. test $Q = 1402$ GPM
WEST PALM BEACH, FLORIDA

Representative T estimated 300,000 GPD/FT

$S_y = .10$

<u>Observation Well No.</u>	<u>Data Used</u>	<u>Analysis Type</u>	<u>Coefficient of Transmissivity (gallons per day per foot)</u>
OB2-1	D	LL	95,000
Est. to be low due to partial penetration	R	LL	100,000
	D	SL	157,000
	R	SL	151,000
	OB2-2	D	LL
Est. to be high due to ponded water	D	SL	672,000
	R	SL	638,000
	OB2-3	D	LL
Est. to be high due to ponded water	R	SL	544,000
	PW2	D	SL
	R	SL	212,000

D - drawdown

R - recovery

LL - full-logarithmic analysis (from Boulton, 1963)

SL - semi-logarithmic analysis (from Cooper and Jacob, 1946)

TABLE 2

STATIC WATER LEVELS AND
 WATER LEVELS AT MAXIMUM DRAWDOWN
 DURING CONSTANT-RATE PUMPING TESTS
 OF PW1 AND PW2

WEST PALM BEACH, FLORIDA

<u>Well No.</u>	<u>Static Water Level (feet, NGVD)</u>	<u>Maximum Drawdown (in feet)</u>	<u>Water Level at Maximum Drawdown (feet, NGVD)</u>
PW1	16.92	10.08	6.84
OB1-1	16.87	3.62	13.25
OB1-2	17.04	0.90	16.14
OB1-3	16.88	1.99	14.89
OB1-4	17.65	0.57	17.08
OB1-5	17.70	0.42	17.28
OB1-6	16.97	3.63	13.34
OB1-7	17.15	1.10	16.05
OB1-8	16.87	1.62	15.25
OB1-9	16.91	3.59	13.32
OB1-10	17.19	0.92	16.27
PW2	15.80	14.58	1.22
OB2-1	18.81	4.00	11.81
OB2-2	15.98	1.15	14.83
OB2-3	15.99	1.06	14.93
OB2-4	15.76	1.82	13.94

Note: Water levels are referenced to feet above NGVD (National Geodetic Vertical Datum)

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TABLE 5

CONSTRUCTION DETAILS OF WELLS
ALONG THE PERIPHERY OF THE
WATER-SUPPLY LAKES AND THOSE
ASSOCIATED WITH PW3

WEST PALM BEACH, FLORIDA

<u>Well No.</u>	<u>Drilled Depth (feet)</u>	<u>Screened Interval (feet)</u>	<u>Elevation of Top of Casing (feet above NGVD)</u>	<u>Distance from PW3 (feet)</u>
SC-1	104	50-100	17.52	
SC-2	104	50-100	18.77	
SC-3	102	50-100	18.76	1300
SC-4	104	50-100	19.02	1950
SC-5	104	50-100	18.13	
SC-6	104	50-100	18.91	
SC-7	104	84-104	19.10	
SC-8	104	50-100	17.68	
PW3	200 (pilot)	85-155	19.33	
OB3-1	38	23- 38	33.58	870
OB3-2	165	85-165	33.57	870
OB3-3	30	15- 30	17.68	466
OB3-4	150	70-150	17.71	466
OB3-5	30	15- 30	17.58	1240
OB3-6	195	70-150	17.56	1240
OB3-7	30	15- 30	21.54	539
OB3-8	190	70-150	21.36	539
OB3-9	30	15- 30	20.01	338
OB3-10	160	80-160	19.90	338
Lake Mangonia	-	-	-	594

75-152 shell, ss

OB1-1 0-78 sd + shell

78-155 ss

OB1-3 70-155

OB1-8 71-155

OB1-9 60-155

PW-2 72-180

OB 2-1 60-150

75-180

OB 2-2 82-155

SC-1 85-104

SC-2 85-104

SC-3 82-102

SC-4 75-102

SC-5 52-102

OB3-10

75-160

OB3-8

72-1110

OB3-6

85-195

3-4

85-150

3-2

80-165

main pod zone

PW-3

82-155

TO 200

2-2

97-148

82-155