APT ANALYSIS

SITE:	Boynton	Beach	, Javis F	roperty	75-1	2	
				S Ra			
REPORT:			1.				
GEOLOGIC	DATA: pg.						
WELL NUME	BER OF WELL	DESCRIE	<u>ED</u> :				
	DEPTH (I	0 60 237	gray san	LITHOLOG	ted oan	dy rock	
Aquifer n	ame:			lsd)			
Well		Total Depth	Cased <u>Depth</u>	Scr/Open Intervl		Radius	
TS-10#1 TS-10#2	6 2 2	937	202 82 -3	SCC SCR		Pump 25 25	
INFLUENCI	NG FACTORS	<u> </u>					
						# 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	

APT: Pg.				
Started:	800 hr 7/28/	76		
Duration:	8 hrs		· · · · · · · · · · · · · · · · · · ·	
Discharge	: 500 gpm			
Recovery:	30 mm			
Comments:				
1)				
2)				
4494704-456600 Elin Andrea Elifon Ingelia como como como final de como como como como como como como com				
3)				
Matter State And Attack and a part of the proper of the first part of the part				
Method: Results:	T'S ANALYSIS: pg. Transmissivity (GPD/FT)	S or Sy	 Leakance ()
Comments:				-
Method: Results:	Transmissivity			
Well	(GPD/FT)	S or Sy	Leakance ()
Comments:			to 1970 his fall and the second species and the second second second second second second second second second	af diplomatikanin a manakaning terapakanin mentepakan menen
Method: - Results:	Transmissivity			
Well	(GPD/FT)	S or Sy	Leakance ()
				Military and Subsective States of the Subsection States of the Subsecti

REANALYSIS	2 0				
Method: _ Results:					
Well	Transmissivity (GPD/FT)	S or Sy	Leakance	; ()	
Comments:					
	ergang ang katalang ang sanggang ang makangan kahangan kahang ang ang ang ang ang ang ang ang ang	осне и поточно водинения и подо на общения на Общения дво дригите не провенения на на направ общения водинения			
Method: _ Results:	Transmissivity				
Well	(GPD/FT)	S or Sy	Leakance	; ()	
Comments:					
RECOMMENDE	ED VALUES:				
7	Fransmissivity (GPD/FT)	Specific Yield or Storage	Leakance		
98	000	.016			s.* 81
					*4

REFERENCES:

APT ANALYSIS

<u>SITE</u> :	Boynton	Beach	TS-2		
	Section	Notice and the investment of the report of the second of t	Township	S Range	e <u> </u>
REPORT:	tern destructes traumaciditationassessistematicassessistematicas				<u>:</u>
WELL NUM	BER OF WEL	L DESCRI	BED:		
	68 - 150	0	Sand shell Sand and group sox	dy wick, sh	. sandy rock
Producing		erval:		lsd)	
	RIPTIONS:	at the	site is app	roximately _	ft. msl.
		Total Depth	Cased <u>Depth</u>	Scr/Open Sintervl Si	lot ize Radius
TS-2TN TS-20#1	6 2 2	231	205 	SCR SCR	Pump 25 75
INFLUENCI	NG FACTORS	<u>5</u> :			
		ugi jaggagagagagan menengan perpendik kenapan menengan menengan pendik kenapan menengan menengan pendik kenapa			

APT: pg.	4000 refered 400 references transport every construction of the co	9		
Started:	759 hrs 8/10	11976	region particular access process region of the Confederation of the Conf	
Duration:	8 hrs			
Discharge	. 500 apm		<u> </u>	
Recovery:	, o			
Comments:				
1)				
480046-monastatiski uzinapojupova zavagopjava konuzyyrania podrika				
2)				·
				,
3)				
CONSULTANT	r's ANALYSIS: pg.			
Method: Results:	Transmissivity (GPD/FT)	S or Sy	Leakance ()
				448 Mahali Masahari yana
Comments:				
Method: _Results:				
Well	Transmissivity (GPD/FT)	S or Sy	Leakance () , .
ettinddik traktorings pygosale kisannie ere frieddie d Anell Skalayski dae kisale ereki frast er mysty is erekit				
Comments:				
Method: _ Results:	Tunnania		Security of the Control of the Contr	
Well	Transmissivity (GPD/FT)	S or Sy	Leakance ()

REANALYSIS	· ·			
Method: _ Results: Well	Transmissivity (GPD/FT)	S or Sy	Leakance ()	
Comments:				ноготопыно-сынтысть
Method: _			ada rassoning a magina da	
Results: Well	Transmissivity (GPD/FT)	S or Sy	Leakance ()	
Comments:				**************************************
RECOMMENDE	ED VALUES:			
	Fransmissivity (GPD/FT)	Specific Yield or Storage	Leakance	
3	2,000	,019		

REFERENCES:

SITE:

REPORT:

APT REANALYSIS

Boynton Beach, Jarvis Property

Russell & Axon, "Hydrogeological Evaluation of Jarvis Prop

Boynton Beach, Florida", December 1976.

GEOLOGIC DATA: pp. 3-4

Drilling logs are available for all test wells. Wells were drilled at two sites, TS-1 and TS-2, on the Jarvis property. Composite logs for each site are given below:

Composite of Site TS-1

0'-60'

sand

60'-160'

sand, shell, cemented sandy rock (marl, 92'-93' in well O#1)

160'-237'

gray sandy rock with shell

Composite of Site TS-2

0'-63'

sand (marl, 45'-57' in well O#1)

63'-68'

sand and marl

68'-150'

sand, shell, poorly cons. sandy rock (trace marl, 93'-98', in 6" test well;

92'-102' in well, O#1)

150'-190'

sand and shell (w/marl, 172'-192' in TS-2)

190'-230'

gray sandy rock, shell, sand (trace marl, 188'-198' in well O#2)

The lithologic sequence encountered in TS-1 wells was consistent except for the occurrence of a thin layer of marl found only in well O#1. There was more lithologic variance among the TS-2 wells. Marl was noted in all three TS-2 wells, but at different depths in different wells. There was more marl noted at TS-2 than at TS-1 and the gray sandy rock was encountered 30' deeper at TS-2 than at TS-1.

The consultant noted a relatively permeable shell and sandstone strata from 70-90 feet at both sites (this is not obvious in the drill logs).

The consultant also noted a higher permeability zone from 200'-230' at both sites.

Based on the nearest available data, the aquifer bottom is estimated at -340 feet NGVD.

Site elevation is about 15 to 20 feet NGVD.

WELL DESCRIPTIONS:

Well	Diam. (in)	Total Depth <u>(ft)</u>	Cased Depth <u>(ft)</u>	Screen /Open	r <u>(ft)</u>
TS-1 TW	6	237	202	scr.	pump
TS-1 O#1	2	88	82	scr.	25
TS-1 O#2	2	215	?	scr.	75
TS-2 TW	6	231	205	scr.	pump
TS-2 O#1	2	88	82	scr.	25
TS-2 O#2	2	215	?	scr.	75

Depth to Water: 3.5' BG at TS-1; 7.0' BG at TS-2

The screened interval is not given for wells TS-1 O#2 and TS-2 O#2. Based on the text; as. other observation wells and background information in the text, assuming a screened interval of 210-215' seems reasonable.

INFLUENCING FACTORS:

- Production and observation wells are partially penetrating.
- 2) TS-1 is apparently located adjacent to canal E-4.

APT's: pp. 4

TS-1 Start:

0800 hrs 7/28/76

Discharge: 500 GPM into E-4 canal

Duration: 8 hrs. Recovery: 30 min. TS-2

Start:

0759 hrs 8/10/76 Discharge: 500 GPM to open ditch

Duration: 8 hrs. Recovery: 30 min.

Comments:

No drawdowns were observed in the shallow well at site TS-2. Instead water 1) levels increased 2" during the test, possibly from infiltration of discharge from the production well.

2) The shallow well at TS-1 initially showed a drawdown of 2 feet, but water levels increased to within .4 feet of the starting level by the end of the test. There is no apparent explanation for this.

Water levels were measured only to the nearest inch. This gives the drawdown 3) curves a "stairstep" appearance. Time was measured to the nearest minute and the exact time pumping began is not given. Based on the drawdown plots, starting time appears to be one minute before the first drawdown measurement.

CONSULTANT'S ANALYSIS: pp. 5-7, Figures 2-5

Method: Hantush Modified Method and Jacob Modified Method

Results:

<u>Site</u>	Avg. T (GPD/FT)	Avg. S
Test Site1	98,000	.016
Test Site 2	32,000	.019

Comments:

- 1) T and S values for individual wells and analysis method are not given.
- 2) Consultant notes that the effects of partial penetration, boundary influences, well inefficiencies, and pumping duration were considered in calculating the average T's and S's. The methods used to do this are not described.

REANALYSIS:

Method: Jacob

Results:

None. The data (used as described below) did not meet the conditions required for the Jacob analysis method; in all cases, u was much greater than .01.

Comments:

- 1) Because the time-drawdown plots were poor, two lines were drawn through each semi-log plot. One was a "best fit" line and one was from the initial water level to maximum drawdown.
- 2) The data was used as reported. No corrections were made for partial penentration or canal effects.

RECOMMENDED VALUES:

None. There are no suitable time-drawdown or recovery analysis methods. The limitations of the data are too great.

REFERENCES:

Kruseman, G. P. and N. A. DeRidder, 1983. Analysis and Evaluation of Pumping Test Data. International Institute for Land Reclamation and Improvement, The Netherlands.

Miller, W. L., 1986. Lithology and Base of the Surficial Aquifer System, Palm Beach County, Florida. USGS Water Resources Investigation Report 86-4067.

