

APT ANALYSIS

SITE: FP&L Coal Gassification Site BTW-4

Section 33 Township 39 S Range 38 E

652283
984402

REPORT: Bechtel report to FP&L

GEOLOGIC DATA: pg. _____, _____

WELL NUMBER OF WELL DESCRIBED: BTW-4

DEPTH (LSD)	LITHOLOGY
0-5	lt gray fine-med sand (fill), silty
5-15	dk brown, fine-coarse sand, decomp. veg & roots, silty
15-30	sand-brown, fine-coarse, silty, clayey, trace shell 20-25'
30-34	clayey sand - dk brown to black, plastic, gray silt, organic silty clay
34-45	sandy limestone - gray/tan, hard mod. cemented, tan shells, fine sand lenses
45-50	sandy clay & shell & shell fragm., little sandy limestone
50-85	shell, shell fragm., limestone stringers, trace sand fine
85-95	shell, shell fragm., limestone fragm., trace fine clayey sand
95-110	shell, shell fragm., gray & tan, minor sand, sandy limestone fragm.
110-115	shell & shell fragm., greenish gray & tan, minor sand, clayey fines, phosphatic
115-150	Sand, dk greenish, fine-coarse, partially cemented, 125-150' clayey, milky, marly
150-160	cemented sand, lt greenish gray, poorly consol., few shells & fragm., clayey, marly, ph
160-165	sandy limestone & shells, lt olive green, poorly consol., trace olive clay to silts
165-175	sandy clay, olive green, soft, plastic, minor shell

Tamiami
Hawthorn

Producing zone interval: 50-110 (60') (1sd) _____ (msl) L.S. elev. 32.10 @
BTW-4

Aquifer name: _____

Static Water Level at the site is approximately _____ ft. msl.

WELL DESCRIPTIONS:

Well	Diam. (in)	Total Depth	Cased Depth	Scr/Open Intervl	Slot Size	Radius
BTW-4	8"	165	55	55-64, 75-85	.040	0
				95-100, 101-110,		
				130-135, 145-150		
				155-160		
OBS	2"	165	52	52-61, 76-86,	.040	120.2
				96-116, 126-135		
				150-160		

INFLUENCING FACTORS:

APT: pg. _____

Started: April 27, 1989 0830

Duration: 1437 min = 23.95 hours

Discharge: 248 gpm

Recovery: 572 min = 9.5 hours

Comments:

1) max drawdown - obs = 11.09'

2) _____

3) _____

CONSULTANT'S ANALYSIS: pg. _____

Method: _____

Results:

Well	Transmissivity (GPD/FT)	S or Sy	Leakance ()
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Comments: _____

Method: _____

Results:

Well	Transmissivity (GPD/FT)	S or Sy	Leakance ()
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Comments: _____

Method: _____

Results:

Well	Transmissivity (GPD/FT)	S or Sy	Leakance ()
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Comments: _____

REANALYSIS:

Method: Cooper

Results:

Well	Transmissivity (GPD/FT)	S or Sy	Leakance (day ⁻¹)
<u>OBS</u>	<u>15,615</u>	<u>2.37 X 10⁻⁴</u>	<u>5.78 X 10⁻⁵</u>
_____	_____	_____	_____
_____	_____	_____	_____

Comments: _____

Method: Neuman

Results:

Well	Transmissivity (GPD/FT)	S or Sy	Leakance ()
<u>OBS</u>	<u>13,219</u>	<u>.0106</u>	_____
_____	_____	_____	_____
_____	_____	_____	_____

Comments: _____

RECOMMENDED VALUES:

Transmissivity (GPD/FT)	Specific Yield or Storage	Leakance
_____	_____	_____
_____	_____	_____

REFERENCES: