

APT ANALYSIS

SITE: Florida Power & Light Coal Gassification Site

Section 20 Township 39 S Range 38 E

643646
995507

REPORT: _____

GEOLOGIC DATA: pg. _____, _____

WELL NUMBER OF WELL DESCRIBED: BTW-3

DEPTH (LSD)	LITHOLOGY
0-20	sand lt brown to lt gray tan, fine-med, minor silty fines
20-31	sand, gray tan, fine, trace black fines
31-32.5	limestone, gray, sandy, hard, thin shell lense
32-55	shell & shell fragm, tan & black, limestone stringer, trace fine sand
55-75	shell & shell fragm, tan & black, limestone fragm., fine sand, silty fines
75-115	shells & sand, little fines, clay lenses
115-130	shell & sand, some gray clayey sand, slightly milky
130-135	sand, greenish gray & limestone, tan, little shell, slightly phosph.
135-150	sand, greenish gray, fine-med, weakly cemented, minor limestone stringer, minor shell
150-158	limestone, sandy, lt greenish gray, w/shell, very milky, many
Hawthorn - 158-160	shell, sandy limestone, clayey sand olive green
160-165	sandy clay, olive green, shell fragm., trace limestone
165-170	clay, olive green, soft, plastic, little sand, few small shell fragm.

Producing zone interval: 31-55, 95-102, 130-150^{150?} (lsd) _____ (msl) L.S. elev. 31.11 @

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-3	8"	165	46.8	47-62, 92-102	.030	0
30BS	2"	165	46.2	127-136, 151-159 46-61, 76-86 115-130, 150-160	.040	63

INFLUENCING FACTORS:

APT: pg. _____

Started: April 18, 1989 1051

Duration: 2320 min = 38.7 hours

Discharge: 388 gpm

Recovery: 241 min = 4 hours

Comments:

1) Max drawdown - OBS - 14.6 (tape) 13.5% (Data Logger)

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>OBSDL</u>	<u>24,296</u>	<u>6.7 x 10⁻⁴</u>	<u>3.27 x 10⁻⁴</u>
<u>OBST</u>	<u>21,376</u>	<u>6.4 x 10⁻⁴</u>	<u>2.88 x 10⁻⁴</u>

Comments: OBSDL - 1' less drawdown than ^(OBST) tape after 28 min.

Method: _____
Results: _____

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

Comments: _____

RECOMMENDED VALUES:

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

REFERENCES: