

APT ANALYSIS

15

SITE: Miles Grant

Section 30 Township 38 S Range 42 E

REPORT: Miles Grant Consumptive Use and Impact on Adjacent Users Gee & Jensen October 1979

270837
801055
766000E
1022250N

GEOLOGIC DATA: pg. Appendix A

WELL NUMBER OF WELL DESCRIBED: Well No. 1

DEPTH (LSD)	LITHOLOGY
0-25	Sand, white to H-tan, unconsol., very fine to med.
25-40	Sandstone, well lithified, medium to coarse, 20% shell
40-55	Sandstone, H brown (iron stain), 40% shell cemented in sstone
55-65	Sandstone, as above with only 1% shell
65-70	Sandstone, well lith., med. to coarse, 30% coarse shell debris
70-85	sandstone, H brown, fine, lithified, iron stain, 15% large shell frag, very porous, fecal pellets
85-105	limestone, 99% fecal pellets in calcite, very well lith., large shell frag.
105-120	limestone, gray to white, pellets, iron stain, sand fine to coarse, 30% shell, adults
120-130	well developed calcite crystals (solution porosity)
130-140	As above, 40% large Pelecypod fragm.
140	As above, numerous olive sp.
(145)	Sandy clay, olive green from other wells

Producing zone interval: ²⁵⁻¹⁴⁰ 110-127 (lsd) _____ (msl)

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
Pw-1	8	127	110			0
Pw-2	8	127	110			500
M1004	6	17	17			300

INFLUENCING FACTORS:

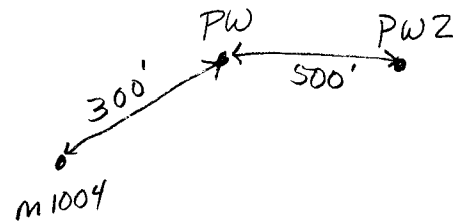
APT: pg. B-1

Started: October 3, 1979

Duration: 7 hours

Discharge: 150 gpm

Recovery: no



Comments:

1) max drawdown on, 92' at PW-2 (only obs. well in Prod. zone)

2) _____

3) _____

CONSULTANT'S ANALYSIS: pg. _____

Method: Boulton

Results:

Well	Transmissivity (GPD/FT)	(S) or Sy	Leakance ()
<u>PW-2</u>	<u>39,976</u>	<u>6.6×10^{-4}</u>	_____
<u>M1004</u>	<u>57,300</u>	<u>5.7×10^{-3}</u>	_____
_____	_____	_____	_____

Comments: _____

Method: Jacob

Results:

Well	Transmissivity (GPD/FT)	S or Sy	Leakance ()
<u>PW-2</u>	<u>60,923</u>	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Comments: _____

Method: _____

Results:

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

Comments: _____

REANALYSIS:

Method: Neuman (Fully Penetrating)
Results: _____

Well	Transmissivity (GPD/FT)	S or Sy	Leakance ()
<u>PW2</u>	<u>29,896</u>	<u>4.79 x 10⁻⁴</u>	_____
_____	_____	_____	_____
_____	_____	_____	_____

Comments: _____

Method: _____
Results: _____

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

Comments: _____

RECOMMENDED VALUES:

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

REFERENCES: