

APT ANALYSIS

43

M1282

SITE: mobil

Section 10 Township 39 S Range 41 E

750900
1003700

REPORT: _____

GEOLOGIC DATA: pg. _____

WELL NUMBER OF WELL DESCRIBED: _____

unknown, assume PW - c Bauer 9/12/00

DEPTH (LSD)	LITHOLOGY
0-33	sand, light gray to olive, med, interbedded fine & coarse, some minor silt
33-52	sand, fine, olive gray, micrite
52-60	shell w/rounded limestone (30-50%), minor sand
60-65	sandstone, very fine, poorly indurated, micrite cement
65-85	shell, w/ limestone (10%), sandstone, fine sand
85-92	shell w/10% silt, micrite, 10% sand, limestone, 5% clay
92-105	shell, 25% limestone, possibly high perm.
105-110	limestone, fine, micrite cement, 50% sand, 15% shell
110-120	shell, high perm, 5% limestone
120-145	shell, 10% silt, 15% micrite, sand, limestone
145-155	shell, micrite 5-10%, minor sand, limestone calcite
155-165	sand, fine, low perm, 10% micrite, 10% shell
165-170	micrite, 45% sand, 10% shell, 2% phosph. sand.
170-182	sand, olive gray, low perm, 5-15% silt, 5% limestone, micrite

Producing zone interval: 52-105 (lsd) _____ (msl)

Aquifer name: _____

Static Water Level at the site is approximately _____ ft. msl.
 ↳ 4.5' below land surface

WELL DESCRIPTIONS:

Well	Diam. (in)	Total Depth	Cased Depth	Scr/Open Slot Intvl	Slot Size	Radius	Max Draw
PW	6	85	60	60-85	.020	0	35.79
1S	2	35	25	25-35		77.9	1.74
1I	2	85	60	60-85		76.1	4.24
1D	2	105	100	100-105		75.5	3.34
2S	2	35	25	25-35		156	.87
2I	2	85	60	60-85		153.3	2.84
2D	2	105	100	100-105		151.5	2.78

INFLUENCING FACTORS:

shallow ditch 176' west of APT site (≈ 1' deep with water)
connecting slough-type areas
Rain - 10/9/89 11:50-12:30am 1.25" (prior to beg. test), 1525-1542 .32",
10/10/89 1940-? .28" (steady drizzle)

APT: pg. _____

Started: Oct 9, 1989 1405

Duration: 2577 minutes, = 42.9 hours

Discharge: 136 gpm

Recovery: 181 minutes = 3 hours

Comments:

1) After rain on 10/10/89, pumped until WL's started to decline again, & then were into recovery.

2) _____

3) _____

CONSULTANT'S ANALYSIS: pg. _____

Method: Neuman

Results:

Well	Transmissivity (GPD/FT)	S or Sy	$\frac{K_2}{K_1}$ Anisotropy Leakage ()
<u>1I-2</u>	<u>12,604</u>	<u>1.54×10^{-4}</u>	<u>.005</u>
<u>1D</u>	<u>16,852</u>	<u>3.46×10^{-4}</u>	<u>.005</u>
<u>2I-1</u>	<u>14,350</u>	<u>1.84×10^{-4}</u>	<u>.0039</u>
<u>2I-2</u>	<u>14,908</u>	<u>1.81×10^{-4}</u>	<u>.0039</u>
<u>2D</u>	<u>16,493</u>	<u>2.0×10^{-4}</u>	<u>.0039</u>

Comments: _____

Method: _____

Results:

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

Comments: _____

Method: _____

Results:

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

Comments: _____