

APT ANALYSIS

SITE: Turner Corp (South Site)  
Section 30 Township 45 S Range 28 E

REPORT: Missimer  
May 1983

GEOLOGIC DATA: pg. \_\_\_\_\_, \_\_\_\_\_

DEPTH (LSD)	LITHOLOGY
0-15	sand
15-40	limestone, sand, marl
40-60	clay, shell, sand
60-85	limestone, sand, shell
85-120	sand, clay, coarse clastics
120-150	sand and clay
150-180	limestone
180-215	marl, clay
215-235	limestone, sand, shell, marl
235-240	marl

Static Water Level at the site is approximately \_\_\_\_\_ ft. msl.

Base of the aquifer at the site is estimated at \_\_\_\_\_ ft. msl.

WELL DESCRIPTIONS:

Well	Diam. (in)	Total Depth	Cased Depth	Screen/ Open	Plane Coords.	
					r	X Y
HM82(RW)	8	240	155	5155-175 0 189-240		
HM83	4	240	↓	5155-175 0 189-240		
HM84	4	240	↓	0 155-240		

INFLUENCING FACTORS:

PW and 1 obs well opened in upper zone, open in lower zone, other  
obs well open to both zones

APT: pg. \_\_\_\_\_

Started: 2/15/83  
 Duration: 72+h  
 Discharge: 475 gpm  
 Recovery: yes

Comments:

- 1) wells open to two zones
- 2) \_\_\_\_\_
- 3) \_\_\_\_\_
- 4) \_\_\_\_\_

CONSULTANT'S ANALYSIS: pg. \_\_\_\_\_

Method: Van Tuys - Jacob  
 Results: \_\_\_\_\_

Well	Transmissivity (GPD/FT)	S	Sy	K' / b'
<u>HM83</u>	<u>72,000</u>	<u><math>1.4 \times 10^{-4}</math></u>	<u>-</u>	<u><math>7.2 \times 10^{-6}</math></u>
<u>HM84</u>	<u>140,000</u>	<u><math>1.5 \times 10^{-4}</math></u>	<u>-</u>	<u><math>8.1 \times 10^{-5}</math></u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Comments:

Method: GWAP  
 Results: \_\_\_\_\_

Well	Transmissivity (GPD/FT)	S	Sy	K' / b'
<u>HM83</u>	<u>56,900</u>	<u><math>1.93 \times 10^{-4}</math></u>	<u>/</u>	<u>/</u>
<u>HM84</u>	<u>136,678</u>	<u><math>2.664 \times 10^{-4}</math></u>	<u>/</u>	<u>/</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Comments:

Method: WHIP  
 Results: \_\_\_\_\_

Well	Transmissivity (GPD/FT)	S	Sy	K' / b'
<u>HM83</u>	<u>58,965</u>	<u><math>2.782 \times 10^{-4}</math></u>	<u>/</u>	<u>/</u>
<u>HM84</u>	<u>89,984</u>	<u><math>4.27 \times 10^{-4}</math></u>	<u>/</u>	<u><math>3.194 \times 10^{-3}</math></u>
<u>Boo h</u>	<u>31094</u>	<u><math>1.28 \times 10^{-3}</math></u>	<u>/</u>	<u><math>5.21 \times 10^{-2}</math></u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Comments:

REANALYSIS:

Method: \_\_\_\_\_

Results: \_\_\_\_\_

Well	Transmissivity (GPD/FT)	S	Sy	K' /b'
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Comments:

Method: \_\_\_\_\_

Results: \_\_\_\_\_

Well	Transmissivity (GPD/FT)	S	Sy	K' /b'
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Comments:

RECOMMENDED VALUES:

Transmissivity (GPD/FT)	Storage	Sy	Leakance
75000	$1 \times 10^{-4}$	/	$1 \times 10^{-6}$ gpd/ft <sup>3</sup>
_____	_____	_____	_____

Aqk 1672  
 CZK'  $7 \times 10^{-6}$  5 ft/d

REFERENCES:

Aq T -120  
 B -180  
 Th 60  
 CZ T -70  
 B -110  
 Th 50

location  $\times$  317550  
 798850