

25938
25938



Shaver WELL COMPANY INC.
WATER WELL DRILLING AND REPAIRING

WATER WELL DRILLING AND REPAIRING

P.O. BOX 266

DIAL 319-237-5341

FREDERICKSBURG, IOWA 50630

December 5, 1979

LOG OF WELL for MUNICIPAL WELL at
FERTILE, IOWA

0'	to	2'	Topsoil
2'	to	5'	Soft Lime & Lime Rock
5'	to	19'	Lime rock
19'	to	28'	Grey & Buff Lime Rock
28'	to	37'	Buff Lime Rock
37'	to	45'	Buff (made water @ 45')
45'	to	48'	Buff Lime Rock
48'	to	56'	Buff W/ some Light Grey Lime Rock
56'	to	61'	Grey & Buff Lime Rock W/ Shale Streaks
61'	to	65'	Buff Lime Rock
65'	to	97'	Brown Lime Rock
97'	to	108'	Soft Buff Lime Rock (made water @ 104-106')
108'	to	109'	White Lime Rock
109'	to	112'	Dark Brown Lime Rock
112'	to	125'	Medium Grey Lime Rock
125'	to	132'	Buff Lime Rock W/ Streaks of Shale
132'	to	137'	Dark Brown Lime Rock W/ Shale Streaks
137'	to	144'	Dark Brown Lime Rock
144'	to	154'	Dark Brown Lime Rock
154'	to	165'	Bluish Grey Lime Rock (make lots of water)
165'	to	173'	Brown Lime Rock
173'	to	175'	Blue Lime Rock
175'	to	185'	Brown Lime Rock
185'	to	187'	Soft Whitish Lime Rock W/ Shale Streaks
187'	to	191'	Grey Green Lime Rock
191'	to	194'	Soft Grey Green Lime Rock
194'	to	202'	Brown Lime Rock
202'	to	214'	Light Brown Lime Rock
214'	to	225'	White & Grey Lime Rock
225'	to	242'	Light Brown Lime Rock

Well flowed at the rate of approximately 100 G. P. M..

A 12-inch hole was drilled to 140 feet. Then 142 feet and 7-inches of 8-inch Inside-Diameter pipe was installed in 12-inch hole equipped with guides to center pipe in 12-inch hole. Pipe was equipped at bottom end with a Larkin Grout Shoe, cement grout was then pumped through shoe to fill annular space around 8 5/8-inch Outside-Diameter pipe.

A 8-inch uncased hole was then drilled into the cedar valley limestone to a total depth of 242 feet.

FIELD TESTS -- 7. -- negative, HYDROGEN SULFIDE -- negative, GREEN -- 2 Parts Per Million & METHANE GAS -- negative.



WELL COMPANY INC.

WATER WELL DRILLING AND REPAIRING

25938

P.O. BOX 266

WATER WELL DRILLING AND REPAIRING

FREDERICKSBURG, IOWA 50630

December 5, 1979

TEST PUMP RECORD for MUNICIPAL WELL at FERTILE, IOWA

MEASUREMENTS IN INCHES TAKEN FROM 30-inches ABOVE GROUND LEVEL:

11:45	37'	12-inches	270	Gallons
12:00	45'	18-inches	271	Gallons
12:20	48'	31½-inches	271	Gallons
12:30	56'	44-inches	300	Gallons
12:40	61'	52-inches	300	Gallons
12:50	65'	58-inches	300	Gallons
1:00	97'	63-inches	300	Gallons
1:10	108'	67-inches	300	Gallons
1:20	109'	70-inches	300	Gallons
1:30	112'	73-inches	300	Gallons
1:40	125'	75-inches	300	Gallons
1:50	132'	76½-inches	300	Gallons
2:00	137'	78-inches	300	Gallons
2:10	144'	79½-inches	300	Gallons
2:20	154'	80½-inches	300	Gallons
2:30	163'	81½-inches	300	Gallons
2:40	173'	83-inches	300	Gallons
2:50	175'	83-inches	300	Gallons
3:00	185'	84-inches	300	Gallons
3:10	187'	84½-inches	300	Gallons
3:20	191'	87-inches	300	Gallons
3:30	194'	86½-inches	300	Gallons
3:40	202'	87-inches	300	Gallons
3:50	214'	88-inches	300	Gallons
4:00	223'	88½-inches	300	Gallons
4:10		89-inches	300	Gallons
4:20		90-inches	300	Gallons
4:30		90½-inches	300	Gallons
4:40		91-inches	300	Gallons
4:50		91½-inches	300	Gallons
5:00		49-inches	240	Gallons
5:30		49-inches	240	Gallons

FIELD DETERMINATION ON WATER QUALITY: pH -- 7, TEMPERATURE 48°, CARBON DIOXIDE -- negative, HYDROGEN SULFIDE-- negative, OXYGEN -- 2 Parts Per Million & METHANE GASES -- negative.

* A FINANCE CHARGE OF 1% PER MONTH PER ANNUM WILL BE ADDED TO ALL ACCOUNTS PAST DUE 30 DAYS OR MORE. AN ANNUAL RATE OF 12%