

Memorandum

September 16, 1969

To: Dr. H.G. Hershey

From: Richard C. Northup

Re: Anamosa City well

The new Jordan well being drilled for the city of Anamosa has reached a depth of 1176', sixty feet into the Prairie du Chien, where they are to set and cement a string of 13 3/8" casing from ground-level. On the basis of samples and drilling time, I have picked the top of the St. Peter at 1065' and the Prairie du Chien at 1116'. The driller reports no lost circulation problem, so there should be no problem in cementing. If all goes well, drilling should be resumed by next Monday.

(recirc)
casing Pecatonica
PduCh 1125'
JG.

JORDAN = 1477' - DRILLING TIME
" = 1475' - SAMPLES

ST. LAWRENCE = 1534' - DRILLING TIME
" = 1540' - SAMPLES

The Anamosa deep well⁽¹⁹⁶⁹⁾ was acidized in Feb. 1970. The resulting pumping test yielded 958 gpm with 129' of drawdown from a static head of 307' below ground level. Before acidizing, the well produced 511 gpm with 165' of drawdown from an unknown static head. Thus the acid job was successful, increasing the specific capacity from 3.1 gpm/ft of dd to 7.4 gpm/ft of dd. or 138 percent. (This assumes the S.W.L. was the same for both tests).

RJH 9/71

Driller didn't indicate how much acid was used.

WARNER WELL & PUMP CO. DUBUQUE, IOWA

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After Acid

474

WELL TEST DATA SHEET

Job Anamosa

Date tested February 18, 1970

Location Anamosa, Iowa

Tested by Varner Well & Pump Company

Dia. of well 13 3/8 x 12 3/4

Pump used: Driver 16V71 GMC

Depth of well 1640'

Column and shaft 8 x 1 15/16

Length of airline 455'

Bowls 8 stage 12MA

Non-pumping level 307'

Manufacturer Fearless

Orifice size 10" x 6"

Serial No. Kona

TIME	PIZOMETER READING (IN.)	G. P. M.	AIR GAUGE READING (FEET)	PUMPING LEVEL	DRAWDOWN	DISCH. PRESSURE		TOTAL PUMPING HEAD	TEMP.	REMARKS
						PSI.	FEET			
	0	0			0		0			START OF TEST
AM 11:15	22	660	148	307	start					Cloudy w/gas
11:30	22	660	86	369						Cloudy
PM 12:00	22	660	86	369						Cloudy
12:30	22	660	86	369						Cloudy
1:00	20	625	84	371						Cloudy
1:30	20	625	82	373						Cloudy
2:00	22	660	80	375						Cloudy
2:30	22	660	79	376						Cloudy
3:00	22	660	79	376						Cloudy
3:30	22	660	77	378						Cloudy
4:00	22	660	77	378						Cloudy
4:30	22	660	77	378						Cloudy
5:00	22	660	77	378						Cloudy
5:30	22	660	77	378						Cloudy
6:00	22	660	77	378						Clearing
6:30	22	660	76	379						Clearing
7:00	21	642	75	380						Clearing
7:30	21	642	75	380						Clearing
8:00	33	796	58	397	step up pump					Clearing
8:30	32	784	57	398						Clearing
9:00	31	772	57	398						Clearing
9:30	31	772	57	398						Clearing
10:00	30 1/2	760	56	399						Clearing
10:30	30 1/2	760	56	399						Clearing

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Serial No. _____

[illegible]

Sheet 3 of 3 sheets

Job _____

Date tested _____

Location _____

Tested by_____

Dia. of well _____

Pump used: **Driver**_____

Depth of well_____

Column and shaft_____

Length of airline _____

Bowls _____

Non-pumping level_____

Manufacturer_____

Orifice size _____

Serial No. 1

[illegible]