fuld located	IOWA GEOLOGICAL n Cooperation with U. S.		vev	237	9
Location:	RECORD ON WE	LL	nen -		
SWINE NW SW	Sec. 10, 7.82N, R.401 sec. 10 T 82 N. R. 40	V54	Twp.		
Well name and number _	DOW CITY (1946	)			****
Owner Town of	Dow City	Address			
Te <mark>nant</mark>		Address		<u> </u>	
Contractor A.O. A	Pasmussen	Address		<u> </u>	
Drillers					
Drilling dates Well data: Elevations: Drillin		topo. e		1000 V 000 V 1	20'
				-	
Determined by	Alt- D. Ross-49				
Topographic position	on				
Total depth: Report	ed feet, Mea	sured		f	eet

above

.Date

; Others

ft.; Source of data

ft. below

risygue de servició de la servicio de

Drilling method

Original elevation of water level

Sources of water: Principal

Hole and casing data

Original depth to water\_

Production data:	Date			
Static depth to water  Pumping level	at	pointg•p•m•	od Supantages	
6 A 2 2 3 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		( todew die w	Daite	
Specific capacityg	p.m. per ft. drawd	lowm; Temperature	°F•	
Pump data; Type pump	Column Dia.	Length Suction pipe		
Power	Airline			
Estimated rate of production:		g.p.m. for	hrs. a day	
		parts per million)		
Date samplesSampled by	,			
Total solids Insoluble matter Alkalinity (Meo)				
Alkalinity (Phn)pH				
Fe <sub>2</sub> 0 <sub>3</sub> + Mn <sub>2</sub> 0 <sub>3</sub> +Al <sub>2</sub> 0 <sub>3</sub> Alkali as sodium				
Calcium			· · · · · · · · · · · · · · · · · · ·	
Magnesium Iron (unfiltered)				
Manganese				
Fluoride				
Chloride				
Bicarbonate Hardness (ppm) Hardness (gpg)				
Remarks				
Laboratory data:  Sample range	fo. spls. // fashed range Studie strip log	d byStrip	Very Par	
Gen. log	Correl. b	y m. tarker		

Och Jan - MAY 07 1980 W# 2379

## STATE HYGIENIC LABORATORY, DES MOINES BRANCH WATER LABORATORY DIVISION MINERAL ANALYSIS

_ AB. NO8	129 242		_
MINERAL NO			-
21 Oct	ıα	70	bi

TOWN	Dow City	_ COUNTY	Crawford
OWNER OF SUPPLY			
COLLECTOR'S NAME	Ronald Blume		
DATE COLLECTED	6 Oct 70	DATE RECEIVED	7 Oct 70
REPORT TO: NAME	EES		
ADDRESS_	SDH		
	FIEL	D DATA	
SOURCE: WELL NAME, N	JUMBER, POINT OF COLLECTION, DEPTH	H, CONSTRUCTION	DATE, ETC.,
Well #2	School School	851	30-40-50 years ago
1/2	150		TIOUS SAMPLE
	TURBIDITY WHEN COLLECTED	VAC	TOUS SAMPLE
			рН
	BEING USED ?		
	LABORATORY	ANALVSIS	
	(PARTS PER	MILLION)	
			DITY
	487		0
	487 SILICA (SiO <sub>2</sub> )		
•	) <u>P_None3</u>	18 pH	7.1 DATE 7 Oct 70
POSITIVE IONS		NEGA	ATIVE IONS
K+	$\frac{2.7}{9.9}$	NO <sub>3</sub> -	5.8
Na +	8.0	F-	0.3
Ca++	108	C1-	13
Mg++	34.0	SO <sub>4</sub> -	100
Mn++	0,22	HCO,	388
A1+++		CO3-	None
Arsenic	< 0.01		
HARDNESS AS CaCO3	410	ppm23	.9 gpg
	NO M	ETALS	
ANALYST Ryan, (	alkins		R. L. MORRIS
ANALYST Kyan, (	O IKIII3	JHG	PRINCIPAL CHEMIST

## IOWA PRESS CLIPPING BUREAU

Des Moines, Iowa

Bulletin Denison, Iowa 10 De

Increased need for water at Dow City since the establishment of the Daniels Hatchery about five years ago has now called for a new town well.

Digging of the 81 foot well began Tuesday morning just north of the town hall on Main street, near the killing plant of the hatchery. The new well will pump water from the same vein supplying the present source and is located about 50 feet north of the old one.

The Rasmussen well digging firm of Ida Grove is doing the work and Morris Griffin, street commissioner, expects completion in several weeks. It will cost approximately \$2,800, including the digging and the new electric turbine pump, to be installed when the well is com-

pleted.

Breakdown Feared

The demand for more water came when the hatchery was established there shortly before the war. Griffin said from 32,000 to 48,000 gallons of water are pumped out of the old well each day and the council feared tha the old pump would break down leaving Dow City without any water supply.

Both of the pumps, old and new, are Pomona electric uni drive turbines. Water is pumped into two large cylinder tanks

noused in the town hall.

A pressure system supplies the homes with modern water facilities. About 130 homes and business places use water from the town's supply.

The old well, also 81 feet deep, will not be abandoned, Mr. Griffin said. The new well was needed to supplement the present supply.

IOWA PRESS CLIPPING BUREAU

Des Moines, Iowa

Review MAY 30 1946 Denison, Iowa

WEA

New Well Being Dug At Dow City

To insure an adequate supply of water, Dow City is digging a new well, 85 feet deep on the lot behind the public library.

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