11	ed located	e
0	1978	

₩	5	9	0	1
---	---	---	---	---

hield located 10	WA GEOLOGICAL	SURVEY	W 5901
The state of the s	ration with U.S. (_	
	RECORD OF W	ELL	
Location: Back of fire Station			
NW NW NESW Sec. 23 sec. 23	(NE) (SW):C	ounty CRAWFORD	
NW NW NE SW Sec. 23	T. 84N. R. 41W.	. E.	
5w sec. 23	T. 84 N., R. 4	/WTwp. \	
Well name and number Too	un of Char	ter Oak	
Owner_		Address	
Tenant			
Contractor C. C. LA.O.			
Drillers 7			
Drilling dates Comple	and april 193	7.3	
Well data:		topo, elev.	1225 ' C.I.= 20
Altitudes: Drilling curb	feet; Land		
<u> </u>	· · · · · · · · · · · · · · · · · · ·	-	
Determined by			
Topographic position			
Total depth: Reported 31			
,			
Drilling method Cable 1	00		
Hole and casing data Gra	vel Pack a	tound Screen	
		een on Cutton	
- To carried to	acci jo ner	en on colon	
	above		
Criginal depth to water		Date	
Source of data		e ·	

Sources of water: Principal______

Others

Pa /	1100	uction Data	
Date			
Static water level			
Measuring point			
Pumping water level			
Yield (g.p.m.)			
Duration of pumping			
Specific capacity			
	Pı	ımp Data	
Type pump		neter and length	
Cylinder or bowls diame	ter and lengt	th	
Suction pipe_		Airline	
Power Pr	oduction	g.p.m. for	hours per da
Use of water			
Discolved constituents	and propert	ies (in parts per million ex	cent as indicated)
Date sampled	and propert	ies (in parts per million ex	cept as marcated,
Sampled by			
Silica (SiO ₂)			
Iron (Fe)			
Manganese (Mn)			
Calcium (Ca)			
Magnesium (Mg)			
Magnesium (Mg)			
Potassium (K)			
Potassium (K) Sodium (Na)			
Potassium (K) Sodium (Na) Carbonate (C O 3)			
Potassium (K) Sodium (Na) Carbonate (CO3) Bicarbonate (HCO3)			
Potassium (K) Sodium (Na) Carbonate (C O 3) Bicarbonate (HCO3) Sulfate (SO4)			
Potassium (K) Sodium (Na) Carbonate (CO3) Bicarbonate (HCO3) Sulfate (SO4) Chloride (Cl)			
Potassium (K) Sodium (Na) Carbonate (CO3) Bicarbonate (HCO3) Sulfate (SO4) Chloride (Cl) Fluoride (F)			
Potassium (K) Sodium (Na) Carbonate (CO3) Bicarbonate (HCO3) Sulfate (SO4) Chloride (Cl) Fluoride (F) Nitrate (NO3)			
Potassium (K) Sodium (Na) Carbonate (CO3) Bicarbonate (HCO3) Sulfate (SO4) Chloride (Cl) Fluoride (F) Nitrate (NO3) Dissolved solids			
Potassium (K) Sodium (Na) Carbonate (CO3) Bicarbonate (HCO3) Sulfate (SO4) Chloride (Cl) Fluoride (F) Nitrate (NO3) Dissolved solids Hardness (as CaCO3)			
Potassium (K) Sodium (Na) Carbonate (CO3) Bicarbonate (HCO3) Sulfate (SO4) Chloride (Cl) Fluoride (F) Nitrate (NO3) Dissolved solids Hardness (as CaCO3) Total			
Potassium (K) Sodium (Na) Carbonate (CO3) Bicarbonate (HCO3) Sulfate (SO4) Chloride (Cl) Fluoride (F) Nitrate (NO3) Dissolved solids Hardness (as CaCO3) Total Grains per gallon			
Potassium (K) Sodium (Na) Carbonate (CO3) Bicarbonate (HCO3) Sulfate (SO4) Chloride (Cl) Fluoride (F) Nitrate (NO3) Dissolved solids Hardness (as CaCO3) Total Grains per gallon Noncarbonate			
Potassium (K) Sodium (Na) Carbonate (CO3) Bicarbonate (HCO3) Sulfate (SO4) Chloride (Cl) Fluoride (F) Nitrate (NO3) Dissolved solids Hardness (as CaCO3) Total Grains per gallon Noncarbonate Alkalinity (as CaCO3)			
Potassium (K) Sodium (Na) Carbonate (CO3) Bicarbonate (HCO3) Sulfate (SO4) Chloride (Cl) Fluoride (F) Nitrate (NO3) Dissolved solids Hardness (as CaCO3) Total Grains per gallon Noncarbonate Alkalinity (as CaCO3) pH			
Potassium (K) Sodium (Na) Carbonate (CO3) Bicarbonate (HCO3) Sulfate (SO4) Chloride (Cl) Fluoride (F) Nitrate (NO3) Dissolved solids Hardness (as CaCO3) Total Grains per gallon Noncarbonate Alkalinity (as CaCO3) pH Specific conductance			
Potassium (K) Sodium (Na) Carbonate (CO3) Bicarbonate (HCO3) Sulfate (SO4) Chloride (Cl) Fluoride (F) Nitrate (NO3) Dissolved solids Hardness (as CaCO3) Total Grains per gallon Noncarbonate Alkalinity (as CaCO3) pH Specific conductance (micromhos at 25°C)			
Potassium (K) Sodium (Na) Carbonate (CO3) Bicarbonate (HCO3) Sulfate (SO4) Chloride (Cl) Fluoride (F) Nitrate (NO3) Dissolved solids Hardness (as CaCO3) Total Grains per gallon Noncarbonate Alkalinity (as CaCO3) pH Specific conductance			

w K 901	Laboratory Data	LOCATION-EA9-8
Well No.	Sample range 200 -	298 No. of samples 24
No. of dupls, and cond.	20 Good	Washed range 2/3-298
Samples prepared by	SE Roma	Date 4/13/53
Logged by Nanthuf		Date 4/27/53
Correlations by		Date 4/27/53

lected pm APR 25 1980

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

	1016 1100	_
_AB, NO,	1583	
MINERAL	NO. 769	

rown Char	ter Cak		_ COUNTYC	Crawford		
OWNER OF SUPPLY						
COLLECTOR'S NAME_						
DATE COLLECTED					1-58	
REPORT TO: NAME						
		rtment of He				
ADDRESS	, <u>5,000 Depa</u>	I dine ii de ne	41.011			
		FIEL	D DATA			
SOURCE: WELL NAME,	· -					
No. 4 -	Collected at	tap on main	at well - I	Orilled :	in 1953. 210) ft deep.
				0115 644015		
WELL PUMPED						
TEMPERATURE °C						
IS A POLYPHOSPHA						
						Temporal
		LABORATORY (PARTS PER				
SPECIFIC CONDUCTANO	CE K AT 25°C		,	ITY		
DISSOLVED SOLIDS						
TOTAL SOLIDS						
ALKALINITY (ppm CaC		, –				
POSITIVE 10	•			TIVE IONS		
K+	8.8			asN 0.2		
Na +	232	_	3	0.1		
Ca++	258	_	Ci —	15		
Mg++	96.0	_		- 1 <u>310</u>		
-	0.7			139		
Mn + +		_		None		
A1+++		_	CO3		<u> </u>	
		, ha				
HARDNESS AS CaCO3	1040		ppm60.	. 7	_ gpg	
Sample orang				colored	particles,	probably
iron, upon r	eceipt. Not	filtered for	r mineral ar	nalysis.	6-11-58 de	
			S-1-0-1			
ANALYST Wright	, Ryan			R. L.	MORRIS	
8-14-5	8 rjg			PRINCIPA	L CHEMIST	