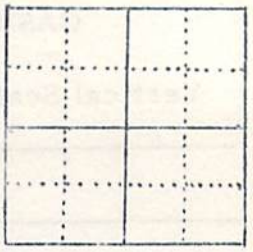
W 8694

IOWA GEOLOGICAL SURVEY
In Cooperation with U. S. Geological Survey
RECORD OF WELL



Location:

Town: CEDAR FALLS (NE) (SW) :County BLACKHAWK

SW sec. 17 T. 89 N., R. 13 W. Twp.

Well name and number

Owner CEDAR FALLS CITY WELL (1957) Address

Tenant (CEDAR HEIGHTS) Address

Contractor SUNBURG WELL CO. Address AUDUBON, IOWA.

Drillers

Drilling dates AUG. 2-19, 1957

Well data:

Altitudes: Drilling curb feet; Land surface feet

Determined by

Topographic position UPLAND

Total depth: Reported 218' feet, Measured feet

Drilling method ROTARY

Hole and casing data 16" CASING 0 TO 164'

OPEN HOLE

Original depth to water 92' ft. above below Date

Source of data

Sources of water: Principal

Others

Production Data

Date				
Static water level	92			
Measuring point				
Pumping water level	107			
Yield (g. p. m.)	2324			
Duration of pumping	10 Hrs.			
Specific capacity	155			

Pump Data

Type pump _____ Column diameter and length _____

Cylinder or bowls diameter and length _____

Suction pipe _____ Airline _____

Power _____ Production _____ g. p. m. for _____ hours per day

Use of water _____

Dissolved constituents and properties (in parts per million except as indicated)

Date sampled				
Sampled by				
Silica (SiO_2)				
Iron (Fe)				
Manganese (Mn)				
Calcium (Ca)				
Magnesium (Mg)				
Potassium (K)				
Sodium (Na)				
Carbonate (CO_3)				
Bicarbonate (HCO_3)				
Sulfate (SO_4)				
Chloride (Cl)				
Fluoride (F)				
Nitrate (NO_3)				
Dissolved solids				
Hardness (as $CaCO_3$)				
Total				
Grains per gallon				
Noncarbonate				
Alkalinity (as $CaCO_3$)				
pH				
Specific conductance (micromhos at 25°C)				
Temperature (°F)				
Analysis No.				

Laboratory Data

Well No. W 8694 Sample range 0-150 No. of samples 30 CI 10-12

No. of dupls. and cond. 30 Good Washed range 125-150

Samples prepared by D. L. Nunn Date 8/23/57

Logged by Northup Date 6/11/58

Correlations by _____ Date 6/11/58

9-330

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

File No. { Washington ____ District ____

John Sanberg - contractor - #3 well - Cedar Heights - Loch Ht - Cedar Falls

	T	Altitude Gauge	Depth to water	Drawn down	Temp 0°	G.P.M.							
10.45 A.M.	0	18	92							Spud-	2 Aug	57	
	1	0								Compl.	19 Aug	57	
	2	0		Note-	Drawdown	no reliable				T.D.		218'	
	3	0	unable	to get	reading on					Csg-	16"	CMT'd	164'
	4	0	gauge-	air	pipe was	out of							
	5	0	water.							DATUM -	Top of	16" CSG	
	6					2032 32				Pump	120'		
	7						WATER-	yellow		Tail Pipe	5'		
	8						in color-	odor		Total	125'		
	9												
	10									TOTAL LENGHT of AIR LINE		110'	
	11.15				52°-		Cleaning-			S.W.L.	92'		
							odor + OAT hulls.						
										10"- ORIFICE PIPE - 12' LONG			
										8.5" PLATE - 12" back			
	12.00				50°	2039 32"				from ORIFICE			
	12.30				50	2039 32"							
	1.00	2	108	16	50°	2196 34"							
	1.30	4	106	14		2179 36"							
	2.15	4	106	14	50°	2179 36"							
	2.45	5	105	13		2179 36" -	4911						
	3.15	3	107	15		2215 38"				Specific Capacity			
	4.00	3	107	15		2215 38"							
	4.30	3-4				2214 38"				155 gal. P.M.			
	5.00	3	107	15	50°	2258 40"							
	5.30	3	107	15		2258 40"							
	6.15	3	107	15		2258 40"							
	7.00	2.5	107.5	16.5		2320 42"							
	8.00	3	107	15	50°	2214 38"							

Sanberg - said his flute @ 40" on table = 75 C.P.M. for each of Tube
AV 3000 C.P.M.?

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

File No. { Washington .....
District .....

#2 Cedar Heights - Cedar Falls

T.	ALTITUDE Gauge	Depth to H.P.	Drawdown	Temp	G.P.M.							
845	3	107	15		2329 41							
46	10	100										
47	14	96										
48	17	93										
49	(18)	92										
50	17											
51	18											

Pump Stop

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