Humboldt, Lowa. March. - 17-38

Mr. H.G. Hershey. Irowa City, Lowa.

W.

Me: Blairs burg well.

The State Department of Health made a water analysis of well and found it satisfactory at this time.

The well is 360' feet Deep.

The following log is as near as I have it -

0' to 163' Clay. 163 % 169 Soft lime Rock.

169 to appr. 214 Pock.

214 + 232 - Clay or Shale.

232 - 245 - Rock.

245 - 255 Clay or Shale.

255 to 360 Moch lime

8" Casing 173.5' feet 2.5'-over. If of Ground.

5 8 11 27.5' 11 11 6 /ap.

Bottom of Casing 259' below ground 100ft of open hole

Black Pipe Casing used.

An egg tool used to swedge pipe connections

On Feb - 3-38. Well was pumped 8 hrs.

Elevation of Water. was 56 feet

from top of Casing to water.

The tollowing is pump test for Eight hrs.

Test air line was 160 feet from Gauge to

bottom of pipe or 102-ft. from water elev. To

bottom of Pipe

strokes G. P.M. Draw Time 16-5/10 feet Per. Min Gauge. Down 9:11 9:22 10:06 2.5 10:26 11:06 5/ 2:00 3:30 4:15 62.

This is all the information I have on.

The well at the present. Qo I was not

Present all during the Drilleng it was a matter.

of collecting this data as I could. Hoping

it will help you out. I presume it will

be some time yet before a pump is set

in well.

Very truly yours.

CURRIE ENGINEERING COMPANY

WEBSTER CITY, IOWA February 21, 1938

BLAIRSBURG WATERWORKS

A. C. Tester, Geology Department, Iowa City, Iowa.

Dear Mr. Tester:

We are enclosing a print showing the results of the test of the well at Blairsburg, which may be of interest to you.

Very truly yours,

F. H. Austin, Sec'y-Treas., CURRIE ENGINEERING COMPANY

K

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IOWA GEOLOGICAL SURVEY

103 GEOLOGY BUILDING
IOWA CITY

ARTHUR C. TROWBRIDGE DIRECTOR AND STATE GEOLOGIST

January 24, 1938

Mr. J. W. McNee City Clerk Blairsburg, Iowa

Dear Sir:

Information has just reached me through Prof. J. J. Hinman, Jr. that the new city well at Blairsburg is nearing completion and you wish to have the water analyzed for mineral content. It is necessary that a member of the Geological Survey be present at the time these samples are collected. If you will notify me as far in advance as possible of the pumping test, I will make every effort to be present to collect the samples.

Very truly yours

H. G. Hershey

HGH: A

Feb. I" 1938

They pumped the new well to-day several hours, seems to be a sufficient supply of water, but it does not clear up, and the water has an offensive odor. They will pump again Friday Feby. 4th.

Yours truly

Johnie Groo

IOWA GEOLOGICAL SURVEY In Cooperation with U. S. Geological Survey

	RECORD OF WELL		
L	Location:		
	Town: Blairsburg (NE) (SW); County Hamilton	11 411 7	
	NE 4-NW/4- SE/4 Sec. 35 T.89 N., R. 24 W. Blair sburg Twp.		
We	Well name and number Blairsburg City Well		
01	Owner Town of Blairshurg Address		
	Tenant Address	4.4	
	In city park	and the property of the section of t	
Ce	Contractor J. J. Becker Address Ft. Dodge		
	Drillers J.J. Becket	The state of the s	
	Drilling dates Winter (do-feb) 1938		
V	Well data:	0	
	Elevations: Drilling curb feet; Land surface /223	iee.	C
			-
	Determined by Hand level K.E. Anderson 1942		
	Topographic position		
	Topographic position		
			+
	Total depth: Reported 360 feet, Measured	fee	t
	Total depth: Reported 360 feet, Measured	fee	t
	Total depth: Reported 360 feet, Measured	fee	t
	Total depth: Reported 360 feet, Measured Drilling method Hole and casing data 173.5 of 8" casing from + 2.5 + 0/71;	fee	The second secon
	Total depth: Reported 360 feet, Measured Drilling method Hole and casing data 173.5 of 8" casing from + 2.5 + 171; (Give amount, size, kind, and depth of all casing from 165 to 237; 27.5 of 5 % casing	fee	
	Total depth: Reported 360 feet, Measured Drilling method Hole and casing data 173.5 of 8" casing from + 2.5 to 171; (Give amount, size, kind, and depth of all cases are position of seals and packers; cementing; how finished—perforate	fee 70 of 6 78 sing; type and from 232.54c ed pipe, screen	
	Total depth: Reported 360 feet, Measured Drilling method Hole and casing data 173.5 of 8" casing from + 2.5 + 171; (Give amount, size, kind, and depth of all casing from 165 to 237; 27.5 of 5 % casing	fee 70 of 6 78 sing; type and from 232.54c ed pipe, screen	The state of the s
	Total depth: Reported 360 feet, Measured Drilling method Hole and casing data 173.5 of 8" casing from + 2.5' + 171'; (Give amount, size, kind, and depth of all cases are found from 165' + 237'; 27.5' of 55' casing position of seals and packers; cementing; how finished—perforate 259.	fee 70 of 6 78 sing; type and from 232.54c ed pipe, screen	
	Total depth: Reported 360 feet, Measured Drilling method Hole and casing data 173.5 of 8" casing from + 2.5' + 171'; (Give amount, size, kind, and depth of all cases are found from 165' + 237'; 27.5' of 55' casing position of seals and packers; cementing; how finished—perforate 259.	fee 70 of 6 78 sing; type and from 232.54c ed pipe, screen	The state of the s
	Total depth: Reported 360 feet, Measured Drilling method Hole and casing data 173.5 of 8" casing from + 2.5' + 171'; (Give amount, size, kind, and depth of all cases are found from 165' + 237'; 27.5' of 55' casing position of seals and packers; cementing; how finished—perforate 259.	fee 70 of 6 78 sing; type and from 232.54c ed pipe, screen	
01	Drilling method Hole and casing data 173.5 of 8" casing from + 2.5 to /71; (Give amount, size, kind, and depth of all cases and packers; cementing; how finished—perforate 259. (Carreet lengths afeasing intervals appropriately pack, open hole, etc.)	fee	The state of the s
01	Drilling method Hole and casing data 173.5 of 8" casing from + 2.5 + 0/71; (Give amount, size, kind, and depth of all cases and packers; cementing; how finished—perforate as a gravel pack, open hole, etc.) above	feer 70 of 6 78 sing; type and from 232,64c ed pipe, screen	The state of the s
01	Drilling method Hole and casing data 173.5 of 8" casing from + 2.5 + 0/71; (Give amount, size, kind, and depth of all casing from 165 to 23.7; 27.5 of 5 % casing position of seals and packers; cementing; how finished—perforate 25.9 (carrest lengths a fessing intervals appropriately gravel pack, open hole, etc.) above Original depth to water	feer 70 of 6 78 sing; type and from 232,64c ed pipe, screen	The state of the s
01	Drilling method Hole and casing data 173.5 of 8" casing from + 2.5' + o / 7/; (Give amount, size, kind, and depth of all casing from 165' to 237; 27.5' of 548" casing position of seals and packers; cementing; how finished—perforate 259- (sarrest lengths afeasing intervals appropriately pack, open hole, etc.) Original depth to water ft. below Date Original elevation of water level ft.; Source of data	feet for of 6 78 sing; type and from 2332.54ced pipe, screen prox.)	
01	Drilling method Hole and casing data 173.5 of 8" casing from + 2.5 + 0/71; (Give amount, size, kind, and depth of all casing from 165 to 23.7; 27.5 of 5 % casing position of seals and packers; cementing; how finished—perforate 25.9 (carrest lengths a fessing intervals appropriately gravel pack, open hole, etc.) above Original depth to water	feet for of 6 5/8 sing; type and from 2332.54ced pipe, screen prox.)	

Production data:		Date	Feb 3, 193	8	Program of the residence of the second			
Static depth to wa	ter 56'	Measuring	point top of o	asing 2.5 a	boxecurb			
Pumping level								
	95	4						
The state of the s								
	Wash -	obusite IA	terms of nigell	Date				
Specific capacity_	/ g.p.1	m. per ft. drawdo	own; Temperatur	'e.	o _F .			
Pump data; Type pum	p	Column Dia.	I	ength_	personal and the second se			
Cylinder or bowls:	Dia.	Length	Suction	pipe	production of the second			
Power		Airline	160'		pleasure of the state of			
Estimated rate of	oroduction:		g.p.m. for	hrs.	a day			
Use of water		The same of the sa						
WATER ANALYSES (in parts per million)								
Date sampled	April 2,1941	GZHAM IN						
Sampled by	J. A. 50mp 501							
Total solids	507				mpromitiga (maga maga maga maga maga maga maga m			
Insoluble matter	19.0		enviolationiques de manament de la constant de la c					
Alkalinity (Meo)	430.0	And de la constitución de la con	special specialization of the special and the					
Alkalinity (Phn)	0.0			Contracting the contracting of t	- Andrewson			
pH 4/11/	1 7.3				(Sound Springstrees			
Fe ₂ 0 ₃ + Mn ₂ 0 ₃ +Al ₂ 0 ₃					percent			
Alkali as sodium	36.6		Management of the Assessment o		ming-metally distance			
Calcium	85.0			And Supering And	ndugad no Parida			
Magnesium	40.6		March 1 Control of the party of the second of the					
Iron (unfiltered)				Linear Control of the				
Manganese	0.00	Contraction of the second of t						
Nitrate	0,00	Administrative Anna Company of the C						
Fluoride	1.0	the result is a part of the property and the results are a second or the part of the part						
Chloride	4.0				toen.			
Sulfate	41.6							
Bicarbonate	524.6							
Hardness (ppm)	385		quincipation (unit process single-plant)					
Hardness (gpg)	22.5		**************************************					
Remarks This analy	isis may be fo	- some other	Blairsburg town	well!				
Laboratory data:	a stances per de our Conservation de Africa en Santo de la Conservation de la Conservatio	San	ple storage lo	cation				
Sample range								
Spls. prepared by								
Driller's log and	cond.	es .			phones and sector for the			
Insoluble residue	s: Prepared by	Studi	ed by	Strip log	01.11			
Microscopic study					8/13/45			
Gen. log		Correl. by	y Gardner					