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W 3747

IOWA GEOLOGICAL SURVEY
Iowa City, Iowa

Well Log Record

Well name and number _____ Town _____ County Grundy

Owner of well Town of Wellsburg #1 west well Address Wellsburg Iowa

Tenant _____ Address _____

Location NW NW SE sec. 15, T. 88 N., R. 18 E. W. _____ Twp.

Curb elevation 1061 ft. Present depth _____ ft. final depth 280 ft.

Static level: (Depth to water above below curb) 103 ft. Pumping level 193 ft. at 50 g.m.

Contractor Hoeg & Ames Date drilled Sept 30 - Oct 10, 1953

Description*	FEET			Description*	FEET		
	Thick	From	To		Thick	From	To
Shale		155	254				
Rock		254	278				
Rock		278	280				

*Abbreviate descriptions: use one line for each formation

Remarks on water zones and casings

360' of 10" pipe

Drilled well deeper.

Temperature: Air _____ °F., Water _____ °F. at A.M. P.M. _____ 19__

Record obtained from _____ Recorded by AJH

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

W-3747

RECORD OF WELL



Location:

Town: Wellsburg (N E / S W): County Grundy

NW NW SE sec. 15 T 88 N., R. 18 E. W. Shiloh Twp.

Well name and number Town of Wellsburg (1949) Deepened 1953

Owner ? Address

Tenant Address

Contractor Hoag & Sons Address Lincoln

Drillers Ervel Fink

Drilling dates July 11-14, 1949 Deepened from 156' to 280' Oct, 1953

Well data:

Elevations: Drilling curb 1053 feet; Land surface feet

Determined by

Topographic position Level ground

Total depth: Reported ~~156~~ 280 feet, Measured feet

Drilling method Cable Tool

Hole and casing date 129'-3" & 12 1/4" ID from 41' alow L.S. to 128'-3"

Original depth to water 79.7 ft. ~~above~~ below t. Casing Date July 15, 1949

Original elevation of water level ft.; Source of data

Sources of water: Principal Mississippi 125-50; Others

Production data: Date July 15, 1949

Static depth to water 79.7 Measuring point T.C. 1' above L.S.
Pumping level 98± at 80± g.p.m.

Specific capacity _____ g.p.m. per ft. drawdown; Temperature _____ °F.

Pump data; Type pump Turbine Column Dia. 3½ Length 145'
Cylinder or bowls: Dia. 8" Length 10' Suction pipe 0
Power Belt from Tractor Airline none
Estimated rate of production: 50-70 g.p.m. for 6-8 hrs. a day
Use of water City Supply

WATER ALALYSES (in parts per million)

Date samples				
Sampled by				
Total solids				
Insoluble matter				
Alkalinity (Meo)				
Alkalinity (Phn)				
pH				
Fe_2O_3- Mn_2O_3-Al_2O_3				
Alkali as sodium				
Calcium				
Magnesium				
Iron (unfiltered)				
Manganese				
Nitrate				
Fluoride				
Chlordie				
Sulfate				
Bicarbonate				
Hardness (ppm)				
Hardness (gpg)				

Remarks _____

Laboratory data: Sample storage location CF4-1

Sample range 0-280' No. spls. 45 No. dupls. & cond. 45-F-P
Spls. prepared by DeRoma Washed range 122-280 by DeRoma
Driller's log and cond. _____

Insoluble residues: Prepared by _____ Studied by _____ Strip log _____
Microscopic study _____ strip log _____
Gen. log _____ Correl. by _____ Aug 10, 1949

156-280 studied by Koch 6/14/62

Wellsburg.

LOS.

July 11-14

0 - 5	Black soil
5 - 25	Yellow clay
25 - 122	Blue clay
122 - 123	Brown Ls.
123 - 125	Shale
125 - 150	Soft gray Ls.
150 - 156	Many reeds.

129'-3" @ 12¼ I.D.

145' @ 3½" Column. } Test pump
10 stages 8" bowls. }

15' & 2 sel. @ 4" discharge pipe.

Obtained from Ervol Fink, driller, on July 15, 1949

GBC.

John C. Moore Corporati... Rochester, N. Y. Binder and holes in leave...tented. FORM 575

Ben Hookstra's property
Homer Rhodes driller

May 18 1999 - June 6 '99

Boiled hole dry at 25 g/min
Pipe pulled out of hole Hole abandoned

SWL 70' Hole = 6"

Yellow clay, sandy	0-70'
Blue clay, sandy	70-169'
Rock & shale	169-200
Shale	200-205

TD 205