

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

W-3877

RECORD OF WELL

Location: 50' N. of Std Oil Plant

Town: Kimballton

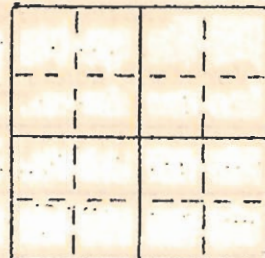
( N E )  
( S W ) : County

sec.

T

79 N., R. 36 W.

Twp.



Well name and number City of Kimballton

Owner



Address

Tenant

Address

Contractor

Thorpe Well Co.

Address

D.M.

Drillers

Ed Atcheson

Drilling dates

May 25-26, 1948

Well data:

Elevations: Drilling curb

feet; Land surface

feet

Determined by

Topographic position

Total depth: Reported

47

feet, Measured

feet

Drilling method

Hole and casing data

43' of 6" from +2' to 41'

5' of 1/16" slot everdew screen attached  
to 1 1/2' of 5" tubing from 46 to 41'

Original depth to water

8

ft. below

above

Date

Original elevation of water level

ft.; Source of data

Sources of water: Principal

; Others

IOWA GEOLOGICAL SURVEY  
Iowa City, Iowa

4937

Well Log Record

Owner of well Town of Kimballton County \_\_\_\_\_

Tenant 50' n of Sid oil plant Town Kimballton

Location \_\_\_\_\_ sec. \_\_\_\_\_, T. \_\_\_\_\_ N., R. \_\_\_\_\_ W. \_\_\_\_\_ E. Twp. \_\_\_\_\_

Curb elevation \_\_\_\_\_ ft. Present depth \_\_\_\_\_ ft. final depth 47 ft.

Static level: (Depth to water above curb) \_\_\_\_\_ ft. Pumping level 33 ft. at 20 g.m.

Contractor Thompson well Co E.A. Atchison Date drilled May 25-26-48

Description*	F E E T			Description*	F E E T		
	Thick	From	To		Thick	From	To
<u>Blk dust</u>							
<u>yellow clay</u>			<u>20</u>				
<u>green &amp; blue soft</u>		<u>20</u>	<u>39</u>				
<u>Coarse sh + gr</u>		<u>39</u>	<u>45</u>				
<u>light shale</u>		<u>45</u>	<u>46</u>				

\*Abbreviate descriptions; use one line for each formation.

Remarks on water zones and casings 43' of 6" iron + 2' to 41'

of 1/2" slot Everdew screen attached

to 1 1/2' of tubing from 41'

Temperature: Air \_\_\_\_\_ °F., Water \_\_\_\_\_ °F. at \_\_\_\_\_ A.M. \_\_\_\_\_ P.M. \_\_\_\_\_ 19\_\_\_\_

Record obtained from \_\_\_\_\_ Recorded by \_\_\_\_\_

Production data: \_\_\_\_\_ Date \_\_\_\_\_

Static depth to water 8 \_\_\_\_\_ Measuring point \_\_\_\_\_

Pumping level 33 \_\_\_\_\_ at 20 g.p.m. \_\_\_\_\_

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

Pump data; Type pump \_\_\_\_\_ Column Dia. \_\_\_\_\_ Length \_\_\_\_\_

Cylinder or bowls: Dia. \_\_\_\_\_ Length \_\_\_\_\_ Suction pipe \_\_\_\_\_

Power \_\_\_\_\_ Airline \_\_\_\_\_

Estimated rate of production: \_\_\_\_\_ g.p.m. for \_\_\_\_\_ hrs. a day

Use of water \_\_\_\_\_

WATER ANALYSES (in parts per million)

Date samples	_____	_____	_____	_____
Sampled by	_____	_____	_____	_____
Total solids	_____	_____	_____	_____
Insoluble matter	_____	_____	_____	_____
Alkalinity (Meo)	_____	_____	_____	_____
Alkalinity (Phn)	_____	_____	_____	_____
pH	_____	_____	_____	_____
Fe <sub>2</sub> O <sub>3</sub> + Mn <sub>2</sub> O <sub>3</sub> +Al <sub>2</sub> O <sub>3</sub>	_____	_____	_____	_____
Alkali as sodium	_____	_____	_____	_____
Calcium	_____	_____	_____	_____
Magnesium	_____	_____	_____	_____
Iron (unfiltered)	_____	_____	_____	_____
Manganese	_____	_____	_____	_____
Nitrate	_____	_____	_____	_____
Fluoride	_____	_____	_____	_____
Chloride	_____	_____	_____	_____
Sulfate	_____	_____	_____	_____
Bicarbonate	_____	_____	_____	_____
Hardness (ppm)	_____	_____	_____	_____
Hardness (gpg)	_____	_____	_____	_____

Remarks \_\_\_\_\_

Laboratory data: \_\_\_\_\_ Sample storage location CP8-5

Sample range 0-52 No. spls. 11 No. dupls. & cond. 11 FOIK

Spls. prepared by EMR Washed range \_\_\_\_\_ by \_\_\_\_\_

Driller's log and cond. \_\_\_\_\_

Insoluble residues: Prepared by \_\_\_\_\_ Studied by \_\_\_\_\_ Strip log \_\_\_\_\_

Microscopic study Rubin strip log Nov. 8, 1949

Gen. log \_\_\_\_\_ Correl. by \_\_\_\_\_

WATER LEVEL DATA

Measuring point \_\_\_\_\_

Date	Depth to water	Altitude	Remarks

REMARKS

**Note** - The samples are from a test hole 0-52'  
 The well data on the sheet is from the finished  
 hole at a lesser depth of 47'