

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

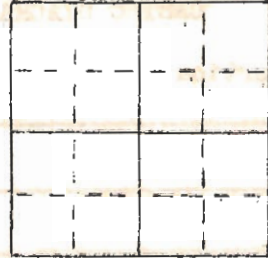
W-1233

RECORD OF WELL

Location:

Town: Audubon ( NE )  
( SW ): County Audubon

NENESENE sec. T 80 N., R. 34 <sup>E.</sup> W. Twp.



Well name and number: Dr. L.E. Jensen farm (veterinarian)

Owner \_\_\_\_\_ Address \_\_\_\_\_

Tenant \_\_\_\_\_ Address \_\_\_\_\_

Contractor Thorpe Well Co. Address \_\_\_\_\_

Drillers Glenn Poffenberger

Drilling dates Nov. 1939

Well data:

Elevations: Drilling curb \_\_\_\_\_ feet; Land surface 1444 feet

Determined by GROUP ALTIMETER RUN 8/1965

Topographic position \_\_\_\_\_

Total depth: Reported 320 feet, Measured \_\_\_\_\_ feet

Drilling method \_\_\_\_\_

Hole and casing data 316' of 6" casing set at 313'; 5' of 6" screen with 19' of 5 3/16" pipe on top.

Original depth to water 225 <sup>above</sup> ft. below \_\_\_\_\_ Date \_\_\_\_\_

Original elevation of water level \_\_\_\_\_ ft.; Source of data \_\_\_\_\_

Sources of water: Principal \_\_\_\_\_; Others \_\_\_\_\_



County platbook has I.E. Jensen in N<sup>1</sup>/<sub>2</sub> 7-80-34 W-1233

IOWA GEOLOGICAL SURVEY  
Iowa City, Iowa

Well Log Record

Well name and number Dr I. E. Tens Town Auda County Audubon

Owner of well Do Address \_\_\_\_\_

Tenant \_\_\_\_\_ Address \_\_\_\_\_

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

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

Static level: (Depth to water <sup>above</sup> curb) \_\_\_\_\_ ft. level \_\_\_\_\_ ft. at \_\_\_\_\_ g.m. <sub>below</sub> Pumping

Contractor Thorp Well Co Date drilled Nov. 1939

Description*	F E E T			Description*	F E E T		
	Thick	From	To		Thick	From	To
<u>Sdy wet clay</u>	<u>62</u>						
<u>fine sd</u>		<u>68</u>	<u>72</u>				
<u>sd clay</u>		<u>73</u>					
<u>bl. clay</u>	<u>13</u>		<u>78</u>				
<u>gravel &amp; clay</u>		<u>98</u>					
<u>sd clay</u>	<u>87</u>	<u>100</u>					
<u>gravel</u>	<u>3</u>	<u>187</u>					
<u>gr. clay</u>	<u>35</u>	<u>190</u>					
<u>sd gr clay</u>	<u>82</u>	<u>225</u>					
<u>sd</u>	<u>13</u>	<u>307</u>					

\*Abbreviate descriptions: use one line for each formation

Remarks on water zones and casings 6' 11" of 6" casing set at 313  
of 6" screen with 19' of 5 3/16" pipe on top

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

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

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

Static depth to water 225 Measuring point \_\_\_\_\_  
Pumping level 7 at 6 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 (Meq)	_____	_____	_____	_____
Alkalinity (Ppm)	_____	_____	_____	_____
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 \_\_\_\_\_

Sample range 62-245; 255-295, 307 No. sps. 50 No. dupls. & cond. 45 Paor

Spis. prepared by Unkiesbay Washed range \_\_\_\_\_ by \_\_\_\_\_

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

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

Microscopic study \_\_\_\_\_ strip log SE-212

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