

5 5/8"  
Well

Victor Peters  
2 1/2 Mi. west on Hilton road  
Keokuk, Iowa

Old well 247 Ft  
New well 67 Ft  
---314 Ft

1299 =

Drilled in October 1946

0 - 247 Unkown  
247 - 282 Limestone: bluish- grey  
282 - 294 Limestone: white  
294 - 299 Limestone: bluish- grey, buff  
298 Water: 4 gallon per minute  
299 - 310 Limestone: Light grey  
310 - 314 Shale: bluish- grey.

5 5/8" to 20 feet

5 " to 247 feet

4 13/16 to bottom

Waterhead is 153 feet

Tested 5 gallon per minute at bottom.

Cost of drilling \$ 134.00  
Cost of laying down mill \$48.00  
Total cost \$183.00

065-05W-27CBA

IOWA GEOLOGICAL SURVEY

W-1299

In Cooperation with U. S. Geological Survey

RECORD OF WELL

Location:

Town: Keokuk (NE) (SW): County Lee

sec. 27T 65N., R. 5 W. Twp.


Well name and number Victor Peters,

Owner Victor Peters Address Keokuk.

Tenant Address

Contractor I. M. Schlicher Address Dennellson.

Drillers L. E. Schlicher.

Drilling dates Oct. 1940.

Well data:

Elevations: Drilling curb 664 feet; Land surface feet

Determined by S. E. Harris Jr.

Topographic position

Total depth: Reported feet, Measured 314 feet

Drilling method

Hole and casing data Old well that was deepened from 247'

5 7/8" to 20', 5" to 247', 4 1/16" to bottom

Original depth to water above ft. below Date

Original elevation of water level ft.; Source of data

Sources of water: Principal Mississippian; Others

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

Static depth to water 153 Measuring point \_\_\_\_\_  
Pumping level \_\_\_\_\_ at 5 g.p.m.

Specific capacity \_\_\_\_\_ g.p.m. per ft. drawdown; Temperature 54 °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	<u>Nov 1, 1945</u>	_____	_____
Sampled by	<u>SE. Hamis Jr.</u>	_____	_____
Total solids	<u>574</u>	_____	_____
Insoluble matter	<u>45</u>	_____	_____
Alkalinity (Meo)	<u>427.0</u>	_____	_____
Alkalinity (Phn)	<u>0.0</u>	_____	_____
pH	<u>7.8</u>	_____	_____
Fe <sub>2</sub> O <sub>3</sub> + Mn <sub>2</sub> O <sub>3</sub> + Al <sub>2</sub> O <sub>3</sub>	<u>0.0</u>	_____	_____
Alkali as sodium	<u>106.6</u>	_____	_____
Calcium	<u>58.8</u>	_____	_____
Magnesium	<u>38.2</u>	_____	_____
Iron (unfiltered)	<u>0.2</u>	_____	_____
Manganese	<u>0.0</u>	_____	_____
Nitrate	<u>8.9</u>	_____	_____
Fluoride	<u>0.2</u>	_____	_____
Chloride	<u>23.0</u>	_____	_____
Sulfate	<u>71.8</u>	_____	_____
Bicarbonate	<u>520.9</u>	_____	_____
Hardness (ppm)	<u>304.</u>	_____	_____
Hardness (gpg)	<u>17.8</u>	_____	_____

Remarks \_\_\_\_\_

Laboratory data: \_\_\_\_\_ Sample storage location \_\_\_\_\_

Sample range 247-314 No. spls. 13 No. dupls. & cond. 13 hrs @ 1

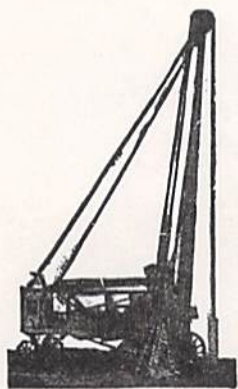
Spls. prepared by Sumner Washed range \_\_\_\_\_ by \_\_\_\_\_

Driller's log and cond. Yes - Complete

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

Microscopic study 247-314 strip log 6/15/43

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



# J. M. SCHLICHER

WELL CONTRACTOR - GENERAL MACHINE SHOP

DONNELLSON, IOWA, Oct 29 1940

Log of Victor Peters' Well  
2½ miles West of Keokuk Ia.  
5 5/8 to 20 feet, 5" to 247 ft. 4 13/16" to bottom.

The old well was 247 feet deep & tested 1 1/4 gal per min  
and used to furnish plenty of water

- 247' - 282' = Limestone: bluish-grey.  
282 - 294 = Limestone: white  
294 - 299 = Limestone: bluish-grey, buff.  
298 - = Water 5 gal per min.  
299 - 310 = Limestone: light grey  
310 - 314 = Shale: bluish-grey.

Waterhead 153 ft.

Tested 5 gal. per min at bottom

306 ft of 2 1/2" pump installed.

J. M. Schlicher  
Driller