

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

W-0547

RECORD OF WELL

Location:

Town: Preston ( N E )  
( S W ): County Jackson

sec. T N., R. W. Twp.


Well name and number City Well #1

Owner Address

Tenant Address

Contractor Address

Drillers

Drilling dates 1934

Well data:

Elevations: Drilling curb 750 feet; Land surface \_\_\_\_\_ feet

Determined by \_\_\_\_\_

Topographic position Hilltop

Total depth: Reported 172 feet, Measured \_\_\_\_\_ feet

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

Hole and casing data 18' of 12" casing 0-18'

Original depth to water \_\_\_\_\_ above  
ft. below \_\_\_\_\_ Date \_\_\_\_\_

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

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



## Production data:

Date \_\_\_\_\_

Static depth to water \_\_\_\_\_

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

Pumping level \_\_\_\_\_

at \_\_\_\_\_

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 Sept. 27, 1935Sampled by W. D. GeorgeTotal solids 53.5Insoluble matter 12.0Alkalinity (Meo) 251.0Alkalinity (Phn) 0.0pH 7.0 $\text{Fe}_2\text{O}_3 + \text{Mn}_2\text{O}_3 + \text{Al}_2\text{O}_3$  3.0Alkali as sodium 8.3Calcium 73.1Magnesium 33.2Iron (unfiltered) 0.20Manganese 0.0Nitrate 35.0Fluoride 0.0Chloride 8.5Sulfate 55.4Bicarbonate 306.2Hardness (ppm) 320

Hardness (gpg) \_\_\_\_\_

Remarks \_\_\_\_\_

## Laboratory data:

Sample storage location \_\_\_\_\_

Sample range 120 - 170No. spls. 10

No. dupls. &amp; cond. \_\_\_\_\_

Spls. prepared by \_\_\_\_\_

Washed range \_\_\_\_\_

by \_\_\_\_\_

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

Insoluble residues: Prepared by \_\_\_\_\_

Studied by \_\_\_\_\_

Strip log \_\_\_\_\_

Microscopic study 120 - 170strip log Feb. 28, 1935

Gen. log \_\_\_\_\_

Correl. by R. Schreier