

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

W-0349

RECORD OF WELL

Location:

Town:

Miles

( N E )  
( S W )

County

Jackson

36, 47?

sec. 36 T

84 N.

R. 5-6 E.

Twp.


Well name and number

Miles City Well #2

Owner

City of Miles

Address

Tenant

Address

Contractor

Address

Drillers

Drilling dates

Well data:

Elevations: Drilling curb 768 feet; Land surface \_\_\_\_\_ feet

Determined by

Hand level by H. O. George

Topographic position

Valley

Total depth: Reported 55 feet; Measured \_\_\_\_\_ feet

Drilling method

Hole and casing data

55' of casing 8-55

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

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

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



## LOG

Vertical scale

[illegible]



## Production data:

Date

Aug 8, 1935

Static depth to water

7

Measuring point

Surface

Pumping level

26

at

70

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

Aug 8, 1935

Sampled by

W.O. George

Total solids

680

Insoluble matter

11.4

Alkalinity (Meo)

298

Alkalinity (Phn)

0.0

pH

6.7

Fe<sub>2</sub>O<sub>3</sub> + Mn<sub>2</sub>O<sub>3</sub> + Al<sub>2</sub>O<sub>3</sub>

2.6

Alkali as sodium

17.9

Calcium

86.6

Magnesium

43.1

Iron (unfiltered)

0.05

Manganese

0.0

Nitrate

89.0

Fluoride

0.0

Chloride

9.0

Sulfate

57.6

Bicarbonate

363.6

Hardness (ppm)

393

Hardness (gpg)

Remarks

## Laboratory data:

Sample storage location

Sample range

0-55

No. spls.

10

No. dupls. &amp; cond.

87

Spls. prepared by

Washed range

by

Driller's log and cond.

Insoluble residues: Prepared by

Studied by

Strip log

Microscopic study

0-53

strip log

3-2-50

Gen. log

Correl. by

R. Sorensen