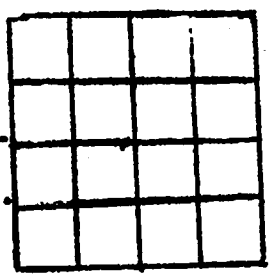


IOWA GEOLOGICAL SURVEY
In Cooperation with U. S. Geological Survey
RECORD OF WELL

Location: Well is 100'
From well #1

Town: LAUREL (NE) (SW) County Marshall
sec. 27 T. 82 N., R. 18 (W) Twp.



Well name and number _____

Owner Town of LAUREL #2(1963) Address LAUREL, IOWA

Tenant _____ Address _____

Contractor Hoeg & Ames, Inc. Address Lincoln Iowa

Drillers Hogan

Drilling dates June 14 - 24 - 63

Well data:
Altitudes: Drilling curb _____ feet; Land surface: _____ feet 1032 EST.

Determined by _____

Topographic position Side Hill

Total depth: Reported 046 feet; Measured _____ feet

Drilling method Cable tools

Hole and casing data 226' of 6" csg.

Original depth to water, _____ above
ft. below _____ Date _____

Source of data _____

Sources of water: Principal 225'-296'

Others _____

PRODUCTION DATA

Date _____

Static water level 117'

Pumping water level 129'

Yield (g.p.m.) 130

Measuring point _____

Duration of pumping _____

Specific capacity _____

LABORATORY DATA TL4-993

Well No. # 15014 Sample range 0-250 No of samples 50

No. of dupls. and cond. _____ Washed range 215-250

Samples prepared by Bud Saheetz Date 8-21-63

Logged by NORTH Date 1/15/64

Correlations by _____ Date 1/15/64

15014

Name: Laurel town well No. 2 (1963)

T.D. 246

Drilled Hoeg & Ames

Log

Casing 226' of 6" pipe

Prod. data

SWL 117'

PWL 129'

Yield 130 gpm

Source: Mississippian (St. Louis?)

} 6/24/63

Analysis:

Elev.

Formation

Depth

Top

Base

June 28, 1963

Hoeg and Ames, Inc.
Lincoln, Iowa

Gentlemen:

Thank you very much for the log of the Laurel town well No. 2, and the record of the pumping test which accompanied it.

This information will be useful to us and I appreciate your cooperation in furnishing it.

Very truly yours,

H. Garland Hershey
State Geologist

HGH/I



MEMBER

Phone GR 3-2707

HOEG & AMES, Inc.

WELL CONTRACTORS

WELL SUPPLIES

☆☆☆

LINCOLN, IOWA

LOG OF WELL

IOWA GEOLOGICAL SURVEY
JUN 27 1963



Town of Laurel - Well No. 2

Total depth of well - 246 ft.

Static water level - 117 ft.

12 ft. drawdown, pumping at 130 gal. per min.

226 ft. of 6 in. pipe

Formation:

| | | |
|-------------|---------|-----|
| Black dirt | 0-4 | Ft. |
| Yellow clay | 4-45 | Ft. |
| Blue clay | 45-214 | Ft. |
| Sand | 214-216 | Ft. |
| Rock | 216-246 | Ft. |

Started the well - June 14, 1963

Finished the well - June 24, 1963



MEMBER

Phone GR 3-2707

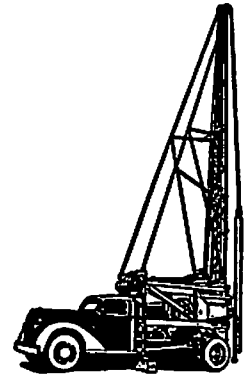
HOEG & AMES, Inc.

WELL CONTRACTORS

WELL SUPPLIES

☆☆☆

LINCOLN, IOWA



RECORD OF WELL FOR THE TOWN OF LAUREL, IOWA - WELL #2

JUNE 24, 1963

| <u>TIME</u> | <u>STATIC WATER LEVEL</u> | <u>DRAWDOWN</u> | <u>GAL. PER MIN.</u> | <u>REMARKS</u> |
|-------------|---------------------------|-----------------|----------------------|--------------------------------------|
| 2:15 P.M. | 117.5 | | | Started the pump |
| 2:20 | 120.8 | 3.3 | 110 | Water dirty |
| 2:30 | 123 | 5.5 | 130 | Well #1 pump on |
| 2:45 | 124.5 | 7 | 130 | Water clearing |
| 3:00 | 125 | 7.5 | | Well #1 pumping 20 g.p.m. |
| 3:15 | 126 | 8.5 | 130 | Water clearing |
| 3:30 | 126.5 | 9 | 130 | |
| 3:45 | 127.3 | 9.8 | 130 | Water clear |
| 4:00 | 127.5 | 10 | 130 | Water clear |
| 4:30 | 128.4 | 10.9 | 130 | Very clear |
| 5:00 | 128.6 | 11.1 | 130 | |
| 5:30 | 129 | 11.5 | 130 | |
| 5:50 | 129.2 | 11.7 | 130 | Slowed rate - collected water sample |
| 6:00 | 125.7 | 8.2 | 50 | Well #1 pumping - 20 g.p.m. |
| 6:15 | 124.3 | 6.8 | 50 | Shut pump off |

Well #1 is 100 ft. from Well #2

Marshall

February 10, 1964

Town Clerk
Laurel,
Iowa

Dear Sir:

We have completed the examination of well
cuttings from the Laurel town well (1963).

A copy of our geologic log is enclosed for
your files.

Very truly yours,

H. G. Hershey

HGH/m
Enclosure (1)