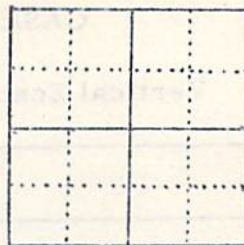


IOWA GEOLOGICAL SURVEY
In Cooperation with U. S. Geological Survey
RECORD OF WELL

W 7854



Location:

(NE)
Town: New Hartford (S W) : County Butler

sec. 33 T. 90 N., R. 15 W. Twp.

Well name and number New Hartford #2

Owner → Address _____

Tenant _____ Address _____

Contractor Hoeg & Ames Address Lincoln, Ia

Drillers _____

Drilling dates July 1956

Well data:

Altitudes: Drilling curb _____ feet; Land surface _____ feet

Determined by _____

Topographic position _____

Total depth: Reported 165 feet, Measured _____ feet

Drilling method _____

Hole and casing data 77' 8" OF 8" PIPE

Original depth to water 18 above
ft. below _____ Date _____

Source of data _____

Sources of water: Principal _____

Others _____

Production Data

Date _____
 Static water level 18 _____
 Measuring point _____
 Pumping water level 32 _____
 Yield (g. p. m.) 300 _____
 Duration of pumping _____
 Specific capacity _____

Pump Data

Type pump _____ Column diameter and length _____
 Cylinder or bowls diameter and length _____
 Suction pipe _____ Airline _____
 Power _____ Production _____ g. p. m. for _____ hours per day
 Use of water _____

Dissolved constituents and properties (in parts per million except as indicated)

Date sampled _____
 Sampled by _____
 Silica (SiO₂) _____
 Iron (Fe) _____
 Manganese (Mn) _____
 Calcium (Ca) _____
 Magnesium (Mg) _____
 Potassium (K) _____
 Sodium (Na) _____
 Carbonate (CO₃) _____
 Bicarbonate (HCO₃) _____
 Sulfate (SO₄) _____
 Chloride (Cl) _____
 Fluoride (F) _____
 Nitrate (NO₃) _____
 Dissolved solids _____
 Hardness (as CaCO₃) _____
 Total _____
 Grains per gallon _____
 Noncarbonate _____
 Alkalinity (as CaCO₃) _____
 pH _____
 Specific conductance _____
 (micromhos at 25°C) _____
 Temperature (°F) _____
 Analysis No. _____

Well No. W 7854 Laboratory Data FK 1-8
 No. of dupls. and cond. 32 Sample range 0-165 No. of samples 32
 Samples prepared by THOMPSON Date 8-6-56
 Logged by NORTHUP Date 12/19/56
 Correlations by _____ Date 12/19/56



HOEG & AMES, Inc.

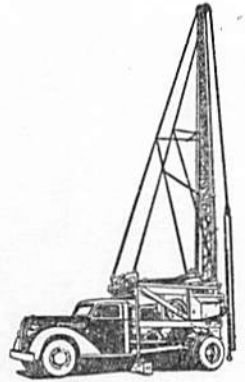
WELL CONTRACTORS

WELL SUPPLIES

☆☆☆

LINCOLN, IOWA

LOG OF WELL



3

Town of New Hartford, Iowa - Well No. 2

Static water level - 18 ft.

14 ft. drawdown, pumping at 300 gal. per min.

50 ft. of 12 in. pipe

77 ft. 8 in. of 8 in. pipe

Formation:

Black drift	0-5	Ft.
Sand	5-60	Ft.
Shale	60-65	Ft.
Rock	65-69	Ft.
Shale	69-77	Ft.
Limestone	77-165	Ft.



MEMBER

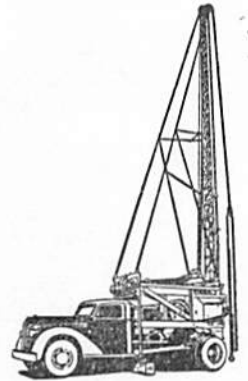
HOEG & AMES, Inc.

WELL CONTRACTORS

WELL SUPPLIES

☆☆☆

LINCOLN, IOWA



July 30, 1956 - New Hartford, Iowa - Well No. 2

4

<u>TIME</u>	<u>WATER LEVEL</u>	<u>GAL. PER MIN.</u>	<u>REMARKS</u>
10:30	18 ft.		Started pump
10:35	27	252	Water dirty
11:00	27	252	Water clearing
11:30	28	252	Water clear
12:00	28	252	
12:30	32	308	Speeded up pump
1:00	32	308	Water clear
1:30	32		Water clear
2:00	32	308	Water clear
2:30	32	308	Slowed pump down
3:00	22	107	Very clear
3:30	21	107	Caught water sample
3:30	21	107	Stopped pump
3:31	18		Recovered in 30 seconds.

Water sample caught at the end of a 4 in. aluminum discharge pipe, 60 ft. away from pump.

Water checked by Creamery operators thermometer - 50 degrees, at end of discharge 60 ft. from pump.

Air temperature 79 degree.