

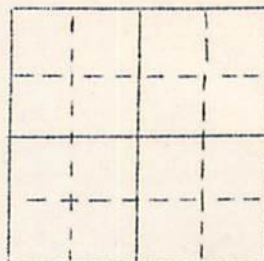
IOWA GEOLOGICAL SURVEY
In Cooperation with U. S. Geological Survey

W-2138

RECORD OF WELL

Location:

Town: Dubuque (N E)
(S W); County Dubuque
sec. 35 T. 90 N., R. 2 W. E. Twp.



Well name and number John Deere - Dubuque Tractor Co.

Owner John Deere Dubuque Tractor Co. Address Dubuque

Tenant _____ Address _____

Contractor C.W. VARNER Address Dubuque

Drillers _____

Drilling dates 7/23/45 to 9/15/45

Well data:

Elevations: Drilling curb 600 feet; Land surface _____ feet

Determined by Tap

Topographic position _____

Total depth: Reported 425 feet, Measured _____ feet

Drilling method axle

Hole and casing data 147' of 10" pipe 0-147'
(Give amount, size, kind, and depth of all casing; type and

position of seals and packers; cementing; how finished--perforated pipe, screen, gravel pack, open hole, etc.)

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

Original elevation of water level _____ ft.; Source of data _____

Sources of water: Principal Jordan ss; Others _____

Production data: Date 9/18/45
 Static depth to water 20 Measuring point Surface
 Pumping level 45 at 180 g.p.m.
68 175

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 70
 Estimated rate of production: g.p.m. for hrs. a day
 Use of water Industrial

WATER ANALYSES (in parts per million)

Date sampled	_____	_____	_____	_____
Sampled by	_____	_____	_____	_____
Total solids	_____	_____	_____	_____
Insoluble matter	_____	_____	_____	_____
Alkalinity (Meo)	_____	_____	_____	_____
Alkalinity (Phn)	_____	_____	_____	_____
pH	_____	_____	_____	_____
Fe ₂ O ₃ + Mn ₂ O ₃ +Al ₂ O ₃	_____	_____	_____	_____
Alkali as sodium	_____	_____	_____	_____
Calcium	_____	_____	_____	_____
Magnesium	_____	_____	_____	_____
Iron (unfiltered)	_____	_____	_____	_____
Manganese	_____	_____	_____	_____
Nitrate	_____	_____	_____	_____
Fluoride	_____	_____	_____	_____
Chloride	_____	_____	_____	_____
Sulfate	_____	_____	_____	_____
Bicarbonate	_____	_____	_____	_____
Hardness (ppm)	_____	_____	_____	_____
Hardness (gpg)	_____	_____	_____	_____
Remarks	_____			

Laboratory data: Sample storage location
 Sample range 50-425 No. spls. 100 No. dupls. & cond. 96 G + F
 Spls. prepared by D.J. Baldwin Washed range 146-425 by D.J.B.
 Driller's log and cond.
 Insoluble residues: Prepared by Studied by Strip log
 Microscopic study 50-425 8 strip log Oct 23, 1945 E.L.
 Gen. log Correl. by E. Schultzy

Varner Well Drilling Company

INCORPORATED

905 Dubuque Bldg.

Telephone 3691

DUBUQUE, IOWA.

Re: John Deere Dubuque Tractor Co.,
Dubuque, Iowa
Test Well

Date Started 7-23-45 Date Completed 9-15-45

Depth 425 feet

Diameter 10" hole

Casing 147' of 10" pipe from surface to 147'

Strata Record Depths:

From	To	Thickness	Description of Beds
Top	66'	66'	Fine sand
66'	70'	4'	Gravel
70'	118'	48'	Fine sand
118'	120'	2'	Fine sand - some gravel
120'	130'	10'	Fine sand
130'	134'	4'	Sand & gravel mixed
134'	138'	4'	Sand
138'	142'	4'	Gravel - Muddy
142'	144'	2'	Gray mud
144'	148'	4'	Small gravel
148'	168'	20'	Gray & Yellow lime
168'	176'	8'	Gray & Brown lime
176'	315'	139'	Gray lime
315'	335'	20'	Brown lime
335'	364'	29'	Gray lime
364'	401'	37'	Brown lime
401'	405'	4'	Brown lime & sand
405'	410'	5'	Sand
410'	425'	15'	Brown lime - some sand

Static Water Level:

Top	to	176'	0'
176'	to	196'	30'
196'	to	226'	36'
226'	to	275'	34'
275'	to	300'	25'
300'	to	335'	29'
335'	to	364'	26'
364'	to	390'	27'
390'	to	425'	24'

