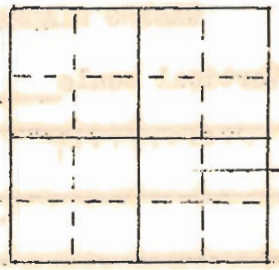
IOWA GEOLOGICAL SURVEY W-0050

In Cooperation with U. S. Geological Survey

RECORD OF WELL



Location:

(N E)
(S W) :County DECATUR E.

Town: LAMONI

NW - SE sec. 3 T 67 N., R. 27 W. Fayette Twp.

Well name and number City of Lamoni #1

Owner _____ Address _____

Tenant _____ Address _____

Contractor THORPE WELL CO Address _____

Drillers _____

Drilling dates 1927

Well data: USE 1123 W.O. George

Elevations: Drilling curb 1004 feet; Land surface _____ feet

Determined by Gulf

Topographic position small valley near flat divide

Total depth: Reported 2192'8" feet, Measured _____ feet

Drilling method _____

Hole and casing data 16" casing to 99'

12½" casing 0 to 552'

10" casing 510' to 781'

8¼" casing 635' to 1135'

6⅝" casing 1070' to 1631'

Original depth to water 340 ft. above/below _____ Date _____

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

Sources of water: Principal _____ ; Others _____

Production data: Date _____

Static depth to water 374 Measuring point _____
Pumping level _____ at 82 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 city supply (emergency

WATER ANALYSES (in parts per million)

Date samples	May 7, 1935	July 3, 1934		
Sampled by	W.O. George	Howard		
Total solids	5870	6358		
Insoluble matter	249	234		
Alkalinity (Meo)	256	120		
Alkalinity (Phm)	0	0		
pH	7.0	7.1		
Fe_2O_3+ Mn_2O_3+Al_2O_3	20.9	36.4		
Alkali as sodium	1540.5	1002.0		
Calcium	311.4	149.2		
Magnesium	82.9	69.0		
Iron (unfiltered)	10.0	17.5		
Manganese	0.40	0.8		
Nitrate	2.0	0.0		
Fluoride	1.0	tr.		
Chloride	987	1417.0		
Sulfate	2627.6	2650		
Bicarbonate	312.3	146.4		
Hardness (ppm)	1137	689		
Hardness (gpg)				

Remarks _____

Laboratory data: Sample storage location _____

Sample range 0-2193 (large gap; long samples) No. spls. 86 No. dupls. & cond. 78 * See remarks

Spls. prepared by _____ Washed range _____ by _____

Driller's log and cond. Yes good

Insoluble residues: Prepared by _____ Studied by _____ Strip log _____

Microscopic study gulf strip log gulf

Gen. log _____ Correl. by _____

WATER LEVEL DATA

Measuring point _____

Date	Depth to water	Altitude	Remarks

REMARKS

69 additional samples, illegible labels

Well used in 1934

first originally 55 gpm at 10.8a

second 100 gpm at 2100

capacity 1935 was 85 gpm