

W14603

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

Location:

Town: ELLIOTT (NE) (SW) County MONTGOMERY  
SWSENESE sec. 1 T. 73 N., R. 38 (W) Twp.


Well name and number \_\_\_\_\_

Owner ELLIOTT TOWN WELL Address ELLIOTT, IOWA

Tenant \_\_\_\_\_ Address \_\_\_\_\_

Contractor LAYNE-WESTERN Address 4430 COMMERCIAL AVE. OMAHA, NEBA.

Drillers \_\_\_\_\_

Drilling dates 11/2/1962

Well data:

Altitudes: Drilling curb \_\_\_\_\_ feet; Land surface 1094 feet

Determined by GROUP ALTIMETER RUN 8/1964

Topographic position \_\_\_\_\_

Total depth: Reported 107.5' feet; Measured 107.5 feet

Drilling method \_\_\_\_\_

Hole and casing data \_\_\_\_\_

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

Source of data \_\_\_\_\_

Sources of water: Principal DAROTA

Others \_\_\_\_\_

PRODUCTION DATA


Date \_\_\_\_\_

Static water level 14'

Pumping water level 33'

Yield (g.p.m.) 219

Measuring point \_\_\_\_\_

Duration of pumping \_\_\_\_\_

Specific capacity \_\_\_\_\_

LABORATORY DATA

Well No. W14603 Sample range 0-107.5' No. of samples 21

No. of dupls. and cond. 20 - Good Washed range \_\_\_\_\_

Samples prepared by LOUERT Date 7/1/63

Logged by NORTHUP Date 1/22/64

Correlations by \_\_\_\_\_ Date 1/22/64



# Layne-Western Company

WATER WELL DRILLING  
EXPLORATION BORINGS AND TEST SURVEYS  
LAYNE TURBINE PUMPS

PHONE 451-2388

December 3, 1964  
(dict. 12-2-64)

OFFICES  
KANSAS CITY, MISSOURI  
WICHITA, KANSAS  
OMAHA, NEBRASKA  
AMES, IOWA  
AURORA, ILLINOIS  
ST. LOUIS, MISSOURI  
DENVER, COLORADO

4430 COMMERCIAL AVENUE  
OMAHA  
NEBRASKA  
68110

IOWA GEOLOGICAL SURVEY

DEC 4 - 1964

Dr. H. G. Hershey  
Iowa Geological Survey  
Geological Survey Building  
Iowa City, Iowa 52240

Reference: Elliott, Iowa

Dear Dr. Hershey:

The Elliott, Iowa well was installed as a gravel packed well with 20' of 8" stainless steel Layne shutter screen and 88' of 8" standard weight steel T & C black pipe. It produced 219 GPM at 19' draw-down with a static water level of 14'. I trust this gives you the requested information.

Yours truly,

LAYNE-WESTERN COMPANY

*C. C. Haas*

C. C. HAAS

CCH:mb

verified PM.1

Punched ERC

U. S. DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Water Resources Division Well Schedule Form

MASTER CARD

Record by D. ARONSON Source of data FILE Date 4/25/66 County Hwy. MONTGOMERY Map 1:63,360

State IOWA County (or town) MONTGOMERY Sequential number: 1

Latitude: 41° 09' 02" N Longitude: 095° 09' 22" W

Local well number: 07338W01DADC Other number: W-14603

Local use: 14603 62 CITY Owner or name: ELLIOTT TOWN WELL

Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist M

Use of water: Air cond, Comm, Dewatering, Fire, Dom, Irr, Ind, P.S., Stock, Instit, Unused P

Use of well: Anode, Drain, Seismic, Obs, Oil-gas, Recharge, Spring, Test, Unused, Withdraw, Waste, Destroyed W

DATA AVAILABLE: Well data 1 Freq. W/L meas.: INVENTORY Field aquifer char. 0

Hyd. lab. data: \_\_\_\_\_

Qual. water data; type: COMPLETE

Freq. sampling: INVENTORY, ORIG. SAMPLE Pumpage inventory: no; period: \_\_\_\_\_

Aperture cards: \_\_\_\_\_ yes \_\_\_\_\_

Log data: GEOLOGIST LOG

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 107.5 ft Meas. accuracy 6

Depth cased: 87.5 ft Casing Type: STEEL; Diam. 8 in

Finish: porous concrete, gravel w. (perf.), (screen), gravel w. (screen), horz. gallery, open end, other S

Method: air bored, cable, dug, hyd jetted, rot., air reverse trenching, driven, wash, other 0

Date Drilled: NOV. 1962 Pump intake setting: \_\_\_\_\_ ft

Driller: LAYNE WESTERN OMAHA, NEBRASKA

Lift (type): air, bucket, cent, jet, multiple, (cent.), multiple, (turb.), none, piston, rot, submerg, turb, other T Deep D Shallow

Power (type): diesel, nat gas, gasoline, hand, LPG, gas, wind; H.P. 10 Trans. or meter no. U

Descrip. MP LSD above \_\_\_\_\_ ft below lsd, Alt. MP 1094

Alt. LSD: 1094 Accuracy: ALTIMETER

Water Level 14 ft above MP; Ft above lsd 14 Accuracy: DRILLER'S LOG

Date meas: NOV. 1962 Yield: 219 gpm Method determined 219

Drawdown: 19 ft Accuracy: 3 Pumping period \_\_\_\_\_ hrs

QUALITY OF WATER DATA: Iron 0.58 Sulfate 9.9 Chloride 2.5 Hard. 176

Sp. Conduct 353 Temp. 55 Date sampled 8/17/65

Taste, color, etc. \_\_\_\_\_

073-38W-01 DADC

Well Number 41 09 02 09509 22

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD Physiographic Province: CENTRAL LOWLAND Section: DISSECTED

TILL PLAIN E Drainage Basin: NISHNABOTNA Subbasin: \_\_\_\_\_

Topo of well site: local depression, flat surface, hilltop, hillside, terrace, valley flat, \_\_\_\_\_

MAJOR AQUIFER: CRETACEOUS LOWER K1 DAKOTA FM.

Lithology: COARSE SANDSTONE Origin: MARINE

Length of well open to: 20 ft Depth to top of: 45 ft

MINOR AQUIFER: \_\_\_\_\_

Lithology: \_\_\_\_\_ Origin: \_\_\_\_\_

Length of well open to: \_\_\_\_\_ ft Depth to top of: \_\_\_\_\_ ft

Intervals Screened: 87.5' - 107.5'

Depth to consolidated rock: 45 ft Source of data: WELL CUTTINGS

Depth to basement: \_\_\_\_\_ ft Source of data: \_\_\_\_\_

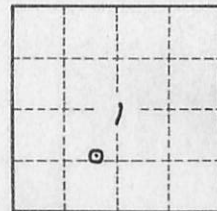
Surficial material: NONCALC LOESS Infiltration characteristics: FAIR

Coefficient Trans: \_\_\_\_\_ gpd/ft Coefficient Storage: \_\_\_\_\_

Coefficient Perm: \_\_\_\_\_ gpd/ft; Spec cap: 11.5 gpm/ft; Number of geologic cards: \_\_\_\_\_

CASING:

87.5' OF 8" CASING.  
20' OF 8" SCREEN.



Elliott (Montgomery)

IOWA PRESS  
CLIPPING BUREAU

Des Moines, Iowa

Nonpareil  
Council Bluffs, Iowa

**Work On Elliott Well**

Special To The Nonpareil

ELLIOTT — Digging and testing has been completed for a new city well here. The well, 106 feet deep containing 75 feet of water, is expected to be in operation by mid-January.