072-03W-26 DBDD

IOWA GEOLOGICAL SURVEY

In Cooperation with U. S. Geological Survey

RECORD OF WELL

W 8775

Location:

Town: MEDIAPOLIS (NE) (SW) :County DES MOINES

SESENWSE sec. 26 T. 72 N., R. 3 W. Twp.

Well name and number

Owner MEDIAPOLIS CITY WELL # 4 (1955) Address

Tenant Address

Contractor BURLINGTON WELL DRLG. CO. Address

Drillers

Drilling dates AUG. 29 - SEPT. 7, 1955

Well data:

Altitudes: Drilling curb feet; Land surface 776 FT feet

Determined by 7½' TOPO D. HARRISON 5/1967

Topographic position UPLAND FLAT

Total depth: Reported 140 feet, Measured feet

Drilling method

Hole and casing data 44' OF 8" PIPE

Original depth to water 41 ft. above below Date

Source of data

Sources of water: Principal

Others

Production Data

Date				
Static water level	41			
Measuring point	47			
Pumping water level	125			
Yield (g. p. m.)				
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 (SiO_2)				
Iron (Fe)				
Manganese (Mn)				
Calcium (Ca)				
Magnesium (Mg)				
Potassium (K)				
Sodium (Na)				
Carbonate (CO_3)				
Bicarbonate (HCO_3)				
Sulfate (SO_4)				
Chloride (Cl)				
Fluoride (F)				
Nitrate (NO_3)				
Dissolved solids				
Hardness (as $CaCO_3$)				
Total				
Grains per gallon				
Noncarbonate				
Alkalinity (as $CaCO_3$)				
pH				
Specific conductance (micromhos at 25°C)				
Temperature (°F)				
Analysis No.				

Laboratory Data

Well No. W 8775 Sample range 41-140' CA5-13 No. of samples 10

No. of dupls. and cond. 10 - Good Washed range 41-140'

Samples prepared by L. B. HENDERSON Date 9-6-57

Logged by NORTHUP Date 7/23/58

Correlations by " Date 7/23/58

WELL RECORD

Well is located ..... N/S miles and ..... E/W miles from N/S ..... E/W

Metropolis (Nearest Town) in Des Moines Co. (County);

in the ..... ¼ ..... ¼ Sec. ..... T. ..... R. .....

Owner Metropolis, Ia. Well No. 4

Postoffice address Metropolis

Contractor Burlington Well Drilling Service

Address 111 Hagenow Ave

Driller Kenneth E Schmieder

Well begun May 29, 19 55;

completed Sept 7, 19 55

Rig used—Cable, Rotary, Jet, or cable

Depth of well 140' (Feet)

Size of hole (note total amount of each size) 8" 44' of 8" P180

Main water supply at 50— (Feet below surface)

Final water head 41' To Top of water (Feet above or below surface)

Is well pumped? .....

Yield 125 G.P.M. 6' Draw down (Gallons per minute)

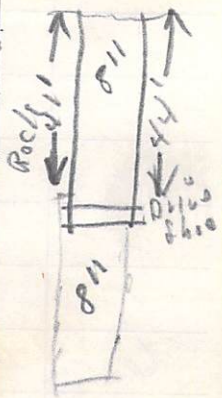
Water level when pumping 47

Position of well Upland - Level (Upland, valley, side hill, etc.)

RECORD OF PERMANENT CASING

Size Pipe	Amount of Pipe	Depth to Bottom of Pipe	Depth to Top of Pipe	Type* and Weight of Pipe
8	44	44		8"-29#
				Steel
				Pipe

DIAGRAM OF WELL



*As cast, wrought iron, steel, concrete, etc.

Is screen used? X Diameter ..... (Inches)

Length ..... (Feet) Depth to bottom .....

Depth to top ..... Slot size .....

Are packers or seals used? .....

Kind .....

Where used .....

Kind of pump ..... Dia. ..... (Inches)

Capacity of pump ..... (g.p.m.)

Power used ..... (Kind and amount)

Depth to bottom of pump line ..... feet,

including ..... feet tailpiece.

Remarks on construction of well .....

Sample No.	DEPTH From	DEPTH To	THICKNESS	DESCRIPTION OF BEDS — KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
1	41-	49	8	white to Brown Medium Hard-
2.	49-	69	20	Brown water Bearing Soft.
3	69-	77	8	Brown " " "
4.	77-	86	9	Brown & Gray & white well cemented
5	86-	98	12	white & Gray & Greenish
6	98-	106	8	Gray
7.	106	114	8	Gray Brown & Tan (Hard)
8-	114	121	7	Brown & Tan Hard
9.	121-	128	7	Rock Shale at 125-
10.	128-	140	12	Kinderhook shale- Green

8775

Name Mediapolis Town No. 4 (1955) AT BLAINE ST

Loc. SW SE NW SE Sec. 26, T. 72N., R. 3W., Des Moines Co.

T.D. 140'

Drilled Aug. 29 - Sept. 7, 1955

Log W-8775

Casing 44' of 8"

Elev. 776'

Prod. data

SWL 41'

PWL 47'

Yield 125 gpm DOWN TO 30 GPM (2/70)

Pumpage:

Aquifer: Burlington through McCraney

Water analysis: Yes

THIS WELL TO BE DESTROYED SUMMER 1970.