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

W 6141

Location:

Town: ANDREW (NE) (SW) :County JACKSON E.

NE NE SE sec. 22 T. 85 N., R. 3 ~~W.~~ E. Twp.

Well name and number ANDREW CITY WELL - 1953

Owner CITY OF ANDREW Address

Tenant Address

Contractor D.E. EDWARDS Address

Drillers CHIP ROUSE

Drilling dates AUG. 5 - AUG. 18, 1953

Well data:

Altitudes: Drilling curb feet; Land surface 820' feet

Determined by alt 67

Topographic position SIDE HILL

Total depth: Reported 247 feet, Measured feet

Drilling method CABLE TOOLS

Hole and casing data 29' OF 8" CASING

45' OF 6 1/4" " SET AT 42' - 6"

Original depth to water 145 ft. above below Date

Source of data

Sources of water: Principal SILURIAN - 160' - 180'

Others

Production Data

Date				
Static water level	145			
Measuring point				
Pumping water level	161			
Yield (g. p. m.)	33			
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 6141 Sample range 0-235 No. of samples 28

LOCATION – EC1-1

No. of dupls. and cond. 28 Good Washed range 0-235

Samples prepared by Lock, Palensky, & Roma Date 9/15/53

Logged by NORTHUP Date 10/22/53

Correlations by NORTHUP Date 10/22/53

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

File No. { Washington .....
District .....

Andrew City Well - August 18, 1953

Time	Feet	DRAWDOWN								Remarks
11:50	137.25									Started pumping 11:50 a. m.
11:51	151.35									
11:54	tape broke									To surface Water at 11:54 a.m. - water clear. 33 gpm
11:57	"									Pumping 33 gpm
12:05½	159.45									Tape repaired. May make about 1/10" difference in readings
12:07	159.45									Pumping 35gpm. Water clear.
12:11½	159.20					"	"			
12:15	158.90					"	"	Temp. 51°		
12:19	159.30					"	"	"	"	
12:20½	159.55					"	"	"	"	
12:23	159.55					"	"	"	"	
12:28	159.70					"	"	"	"	
12:33	159.80					"	"	"	"	
12:38	159.85					"	"	"	"	
12:44½	160.00					"	"	"	"	
12:55	160.00					"	"	"	"	
1:02	160.00					"	"	"	"	
1:10	160.00					"	"	"	"	
1:21	160.17					"	"	"	"	
1:41	160.40					"	"	"	"	
1:50	160.65					"	"	"	"	
2:00	160.65					"	"	"	"	
2:10	160.95					"	"	"	"	
2:20	161.05					"	"	"	"	Pump off Water sample taken
										All measurements taken from 2.75' above ground level
										SWL of 137.25 - probably not accurate
										Edward's SWL of 146 probably closer.
										He will send us correct SWL when well is finished.

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

File No. { Washington .....
District .....

Andrew City Well - August 18, 1953

Time	Feet	Remarks	RECOVERY Time	RECOVERY Feet
2:20½	161.05	Pump off	3:18	145.06
			3:20	145.05
2:20½	161.05		3:25	145.04
2:21	152.40		3:30	145.03
2:22	148.40			
2:23	147.95			
2:24	147.70			
2:24½	147.45			
2:25	147.25			
2:26	147.07			
2:26½	146.90			
2:27	146.78			
2:27½	146.65			
2:28	146.58			
2:29	146.48			
2:30	146.35			
2:31	146.20			
2:32	146.10			
2:33	146.05			
2:34	146.00			
2:36	145.87			
2:39	145.75			
2:41	145.65			
2:43	145.60			
2:45	145.55			
2:50	145.40			
2:55	145.30			
3:00	145.25			
3:05	145.20			
3:10	145.15			
3:15	145.07			

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