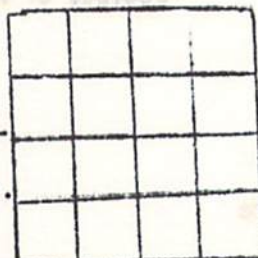


IOWA GEOLOGICAL SURVEY
In Cooperation with U. S. Geological Survey
RECORD OF WELL

Location:

Town: MECHANICSVILLE (NE) County CEDAR
(SW) (E)

NW SW SE sec. 13 T. 82 N., R. 4 (W) Twp.



Well name and number _____

Owner MECHANICSVILLE TOWN WELL Address MECHANICSVILLE, IOWA

Tenant _____ (1962) Address _____

Contractor HORG & AMES, INC. Address LINCOLN, IOWADrillers ERVAL FUNKDrilling dates JULY 3 - 25, 1962

Well data:

Altitudes: Drilling curb _____ feet; Land surface 923 feet

Determined by _____

Topographic position _____

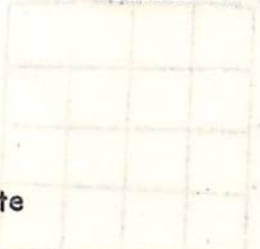
Total depth: Reported 455 feet; Measured _____ feetDrilling method CADIZ TUB

Hole and casing data _____

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

Source of data _____

Sources of water: Principal SILURIAN



Others _____

PRODUCTION DATA

Date _____

Static water level 60'

Pumping water level 125'

Yield (g.p.m.) 200

Measuring point _____

Duration of pumping 12 HOURS (GREEN ENGINEERING CO.)

Specific capacity _____

LABORATORY DATA

TLA-440

Well No. W13609 Sample range 0-455' No. of samples 88

No. of dupls. and cond. 88; Good Washed range 85-455

Samples prepared by Di Mambro Date 7/31/62

Logged by NORTHUP Date 8/1/62

Correlations by _____ Date 8/1/62

Well Log -Mechanicsville

AUG 3 1962

0-5	Black drift
5-30	Yellow clay
30-40	Blue sandy clay
40-75	Yellow clay
75-90	Limestone broken
90-185	Good solid limestone "Yellow color"
185-190	Broken limestone and shale
190-239	Yellow limestone
239-245	Soft gray shale
245-258	Gray limestone and shale
258-270	Soft yellow limestone
270-285	Gray limestone
285-300	Light colored limestone
300-340	Light colored limestone
340-350	No samples-water carried cuttings away
350-380	Gray limestone
380-450	Gray limestone traces of shale
450-455	Shale

455-

16" Hole drilled	160 ft.	0-160
10" Hole drilled	140 ft.	160-300
8" Hole drilled	155 ft.	300-455
16" Pipe	79 ft.	0-79
10" Pipe	162 ft.	+2-160
8" Pipe	151 ft.	149-300
160 ft. 10" cemented in 16" hole		0-160

Well Test

MECHANICSVILLE

July 25, 1962

IOWA GEOLOGICAL SURVEY

AUG 3 1962

Time	W/L	D/D	G.P.M.	Remarks
7:15 A. M.	60.0			Started pump
7:20	93	33	175	Water measured in stock tank
7:25	96	36		
7:30	98.4	38.4	160	Water clear
7:35	99.5	39.5		
7:40	100.5	40.5		
7:45	101.1	41.1	160	
8:00	102.7	42.2		
8:15	103.8	43.8	160	
8:30	105.2	45.2		13 grains hard .3-iron
8:45	106.1	46.1		
9:00	106.6	46.6		
9:15	107.5	47.5		
9:30	107.6	47.6		
10:00	108.4	48.4		
10:30	109.3	49.3	160	
11:00	109.3	49.3		
11:30	109.3	49.3		
12:00	109.4	49.4		
12:30	109.3		160	
1:00 P.M.	109.6	49.6	160	Increased pumping rate
1:30	123.5	63.5	210	
2:00	124.2	64.2		
2:30	124.5	64.5		
3:00	125.0	65.0	210	
3:30	122.6	62.6	196	
4:00	123.7	63.7		
4:15	123.7	63.7	196	Started pump in well #1
4:30	126.4	66.4		town out of water
5:00	124.4	64.4	196	Pump off #1 well out of water
5:30	140.8	80.8		Increased rate at 5:00 P.M.
6:00	145.0	85.0		To pump with fire engine into
6:30	145.8	85.8		water tower
7:00	146.7	86.7	Collected	Collected water sample
7:30	145.4	85.4		
8:00	144.7	84.7		

2. 1

(cont.) Well Test

Mechanicsville

8:30	144.2	84.2		Pumping with fire pump into water tower
9:00	145.2	85.2		
9:30	145.5	85.5		
9:50				Water tower running over
10:00	145.6	85.6		
10:15	145.6		280	Shut pump off
7:40 A.M.	62.0			

July 26
1962