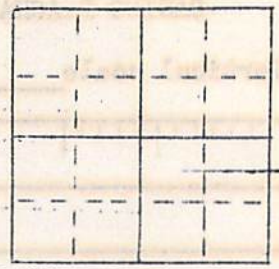
IOWA GEOLOGICAL SURVEY W-0549

In Cooperation with U. S. Geological Survey

RECORD OF WELL



Location:

Town: Calamus (N E / S W): County Clinton

SW/c NE sec. 17 T 81 N., R. 2 E./W. Olive Twp.

Well name and number City Well #2

Owner City of Calamus Address

Tenant Address

Contractor Chas Nolan Address Cedar Rapids

Drillers

Drilling dates March-May 1937

Well data:

Elevations: Drilling curb 719 feet; Land surface feet

Determined by H & H

Topographic position

Total depth: Reported 278 feet, Measured feet

Drilling method cable

Hole and casing data 97.7' of 12" casing from 0-97.7'. 186.5' of 10" casing 0-186.5'; 10" open hole 186.5 to 206.5; 8" casing 206.5' to 287'

Original depth to water ft. above/below Date

Original elevation of water level ft.; Source of data

Sources of water: Principal Silurian; Others Pleistocene

Production data: Date Aug 10, 1937

Static depth to water 60.0 Measuring point curb
Pumping level _____ at _____ 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 _____

WATER ANALYSES (in parts per million)

Date samples	Aug. 10, 1937			
Sampled by	Mullinex			
Total solids	215.0			
Insoluble matter	25.2			
Alkalinity (Meo)	230.0			
Alkalinity (Phn)	0.0			
pH	6.9			
Fe_2O_3+ Mn_2O_3+Al_2O_3	5.2			
Alkali as sodium	10.0			
Calcium	52.0			
Magnesium	20.4			
Iron (unfiltered)	0.7			
Manganese	Qu.			
Nitrate	2.2			
Fluoride	1.0			
Chloride	7.0			
Sulfate	5.1			
Bicarbonate	280.6			
Hardness (ppm)	215.0			
Hardness (gpg)	12.7			

Remarks _____

Laboratory data: Sample storage location _____

Sample range 10-275 No. spls. 31 No. dupls. & cond. 136

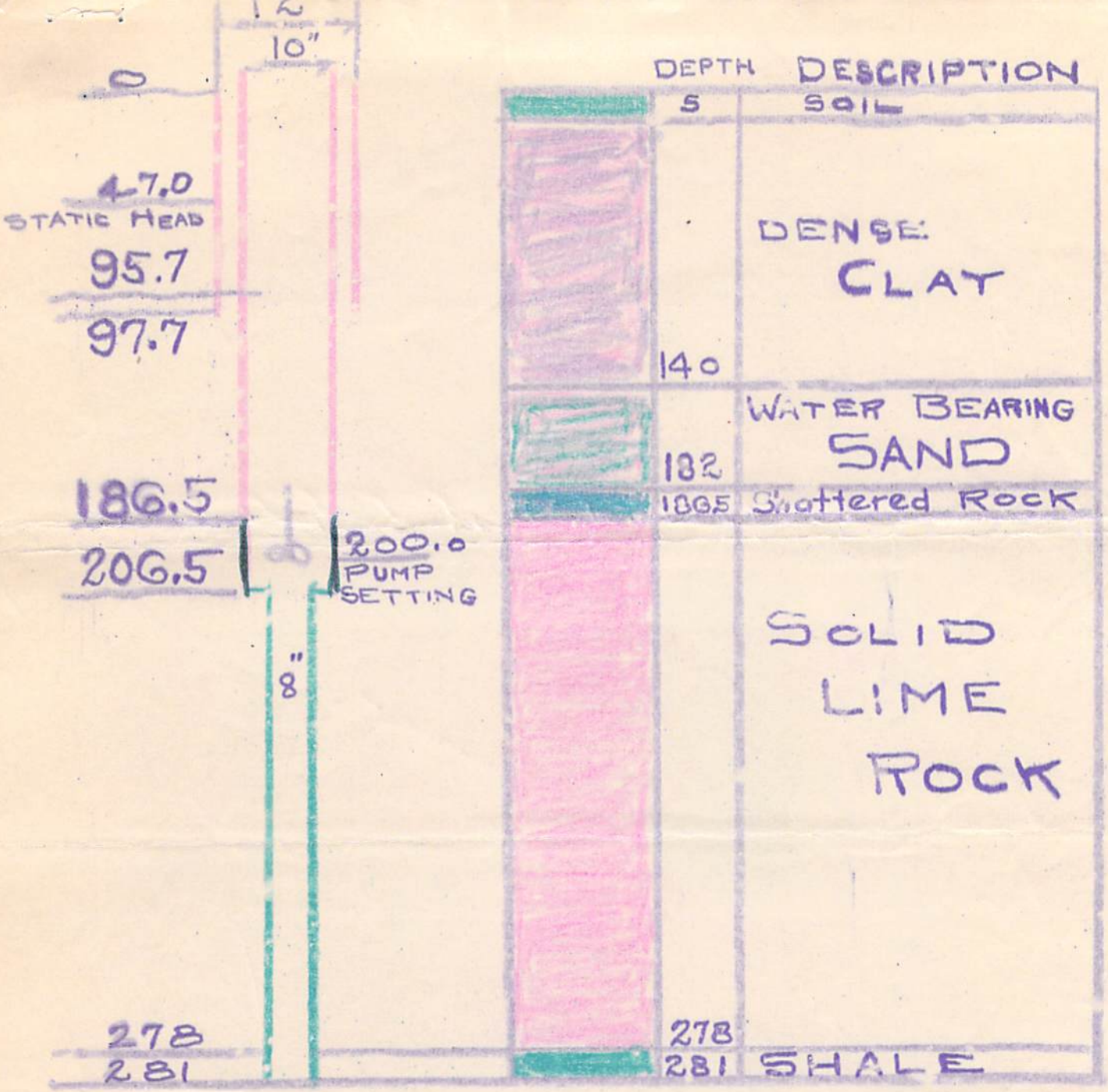
Spls. prepared by _____ Washed range _____ by _____

Driller's log and cond. _____

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

Microscopic study Stuf strip log Stuf

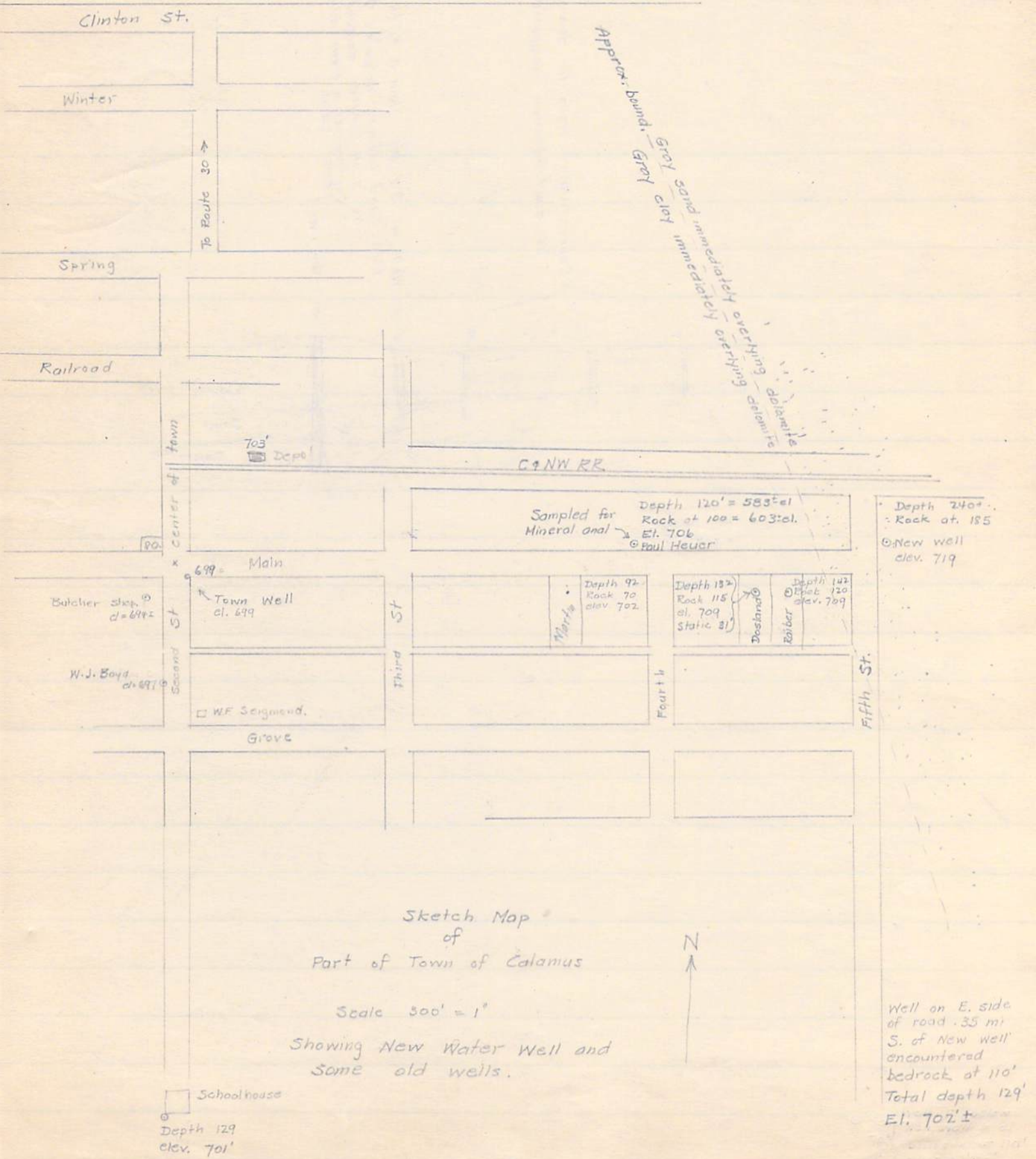
Gen. log Stuf Correl. by Stuf



TOWN WELL
CALAMUS, IOWA

RALPH W. GEARHART, ENGINEER

JUNE 1937 CEDAR RAPIDS, IA.


Clinton St.
Winter
To Route 30
Spring
Railroad
Approx. bound. Gray sand immediately overlying dolomite
Gray clay immediately overlying dolomite
703'
Depot
C & NW RR.
center of town
80
Sampled for Mineral anal
Depth 120' = 583± el
Rock at 100 = 603± el.
El. 706
Paul Heuer
Depth 240+
Rock at 185
New well
elev. 719
699
Main
Town Well
el. 699
Butcher Shop
d=694±
Second St
Third St
Fourth St
Fifth St
Depth 92
Rock 70
elev 702
Depth 137
Rock 115
el. 709
Static 81
Depth 147
Rock 120
elev. 709
Martin
Dostand
Raiber
W. J. Boyd
d=697±
W.F. Seigmund.
Grove
Schoolhouse
Depth 129
elev. 701'
N
Sketch Map
of
Part of Town of Calamus
Scale 300' = 1"
Showing New Water Well and
Some old wells.
Well on E. side of road .35 mi S. of New well encountered bedrock at 110'
Total depth 129'
El. 702'±