

IOWA GEOLOGICAL SURVEY
In Cooperation with U. S. Geological Survey

W-0548

RECORD OF WELL

Location:

Town: Preston (NE) County Jackson
(SW) E.

	32	

SE NE NE sec. 32 T 84 N., R. 5 W. Van Buren Twp.

Well name and number City Well #2

Owner City of Preston Address _____

Tenant _____ Address _____

Contractor Geo. Davis Address Preston

Drillers _____

Drilling dates Oct 14, 1936 - Jan 8, 1937

Well data:

Elevations: Drilling curb 750 ± feet; Land surface 747 feet

Determined by _____

Topographic position Hilltop

Total depth: Reported 628 feet, Measured _____ feet

Drilling method Cable

Hole and casing data 274' of 8" casing P-274'

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

Original elevation of water level _____ ft.; Source of data _____

Sources of water: Principal _____; Others _____

Production data:

Date _____

Static depth to water 128 1/2

Measuring point _____

Pumping level 142

at 182 g.p.m.

Specific capacity _____ g.p.m. per ft. drawdown; Temperature 54 °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 city supply

WATER ANALYSES (in parts per million)

Date samples	<u>1/18/49</u>	_____	_____	_____
Sampled by	<u>M.V. Stephenson</u>	_____	_____	_____
Total solids	<u>412</u>	_____	_____	_____
Insoluble matter	<u>7.0</u>	_____	_____	_____
Alkalinity (Meo)	<u>226</u>	_____	_____	_____
Alkalinity (Phn)	<u>None</u>	_____	_____	_____
pH	<u>7.8</u>	_____	_____	_____
Fe ₂ O ₃ + Mn ₂ O ₃ +Al ₂ O ₃	<u>2.0</u>	_____	_____	_____
Alkali as sodium	<u>38.9</u>	_____	_____	_____
Calcium	<u>72.6</u>	_____	_____	_____
Magnesium	<u>28.4</u>	_____	_____	_____
Iron (unfiltered)	<u>0.1</u>	_____	_____	_____
Manganese	<u>None</u>	_____	_____	_____
Nitrate	<u>None</u>	_____	_____	_____
Fluoride	<u>0.3</u>	_____	_____	_____
Chloride	<u>35</u>	_____	_____	_____
Sulfate	<u>65.6</u>	_____	_____	_____
Bicarbonate	<u>324.3</u>	_____	_____	_____
Hardness (ppm)	<u>298</u>	_____	_____	_____
Hardness (gpg)	<u>17.4</u>	_____	_____	_____

Remarks _____

Laboratory data:

Sample storage location _____

Sample range _____ No. spls. _____ No. dupls. & cond. _____

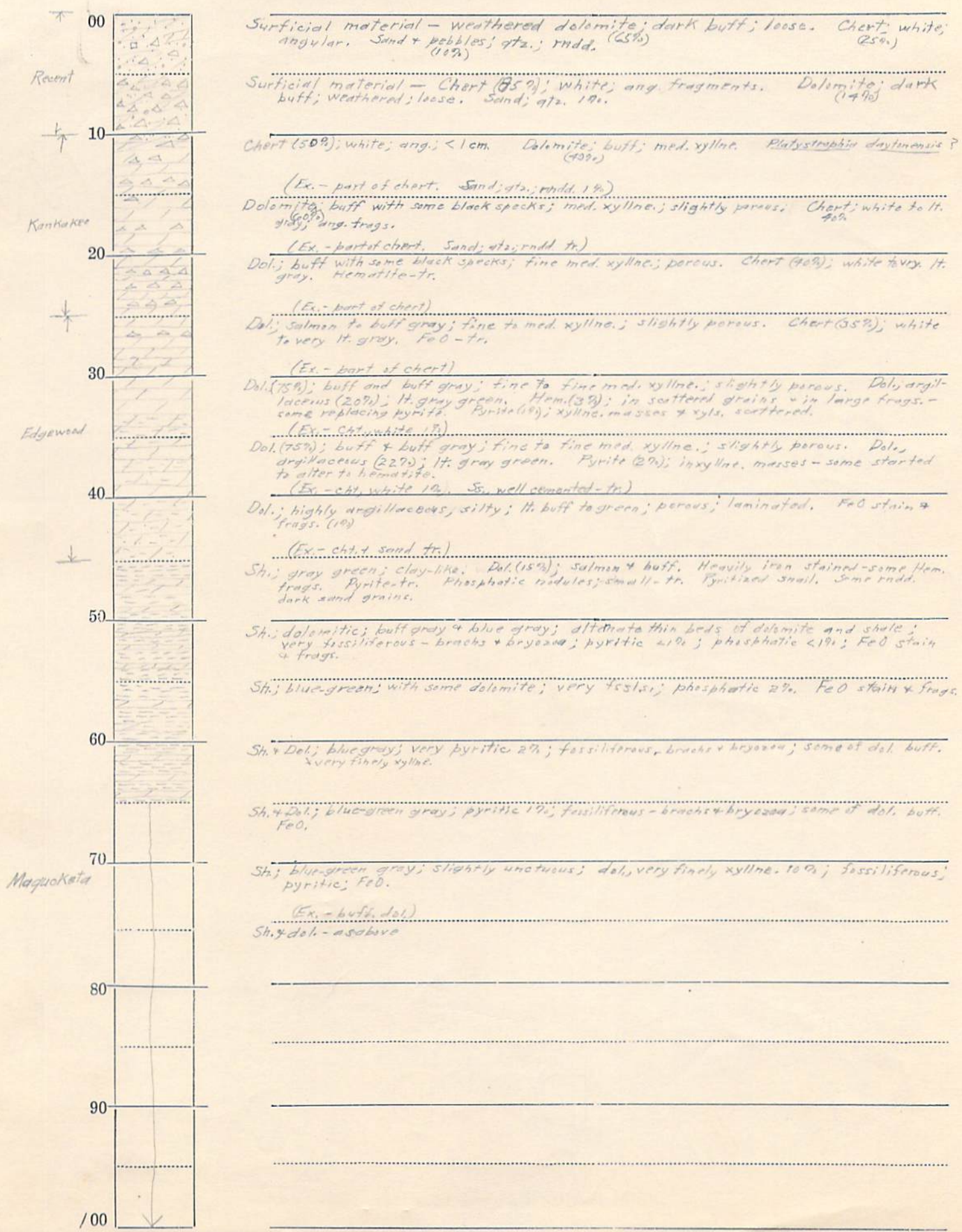
Spls. prepared by _____ Washed range _____ by _____

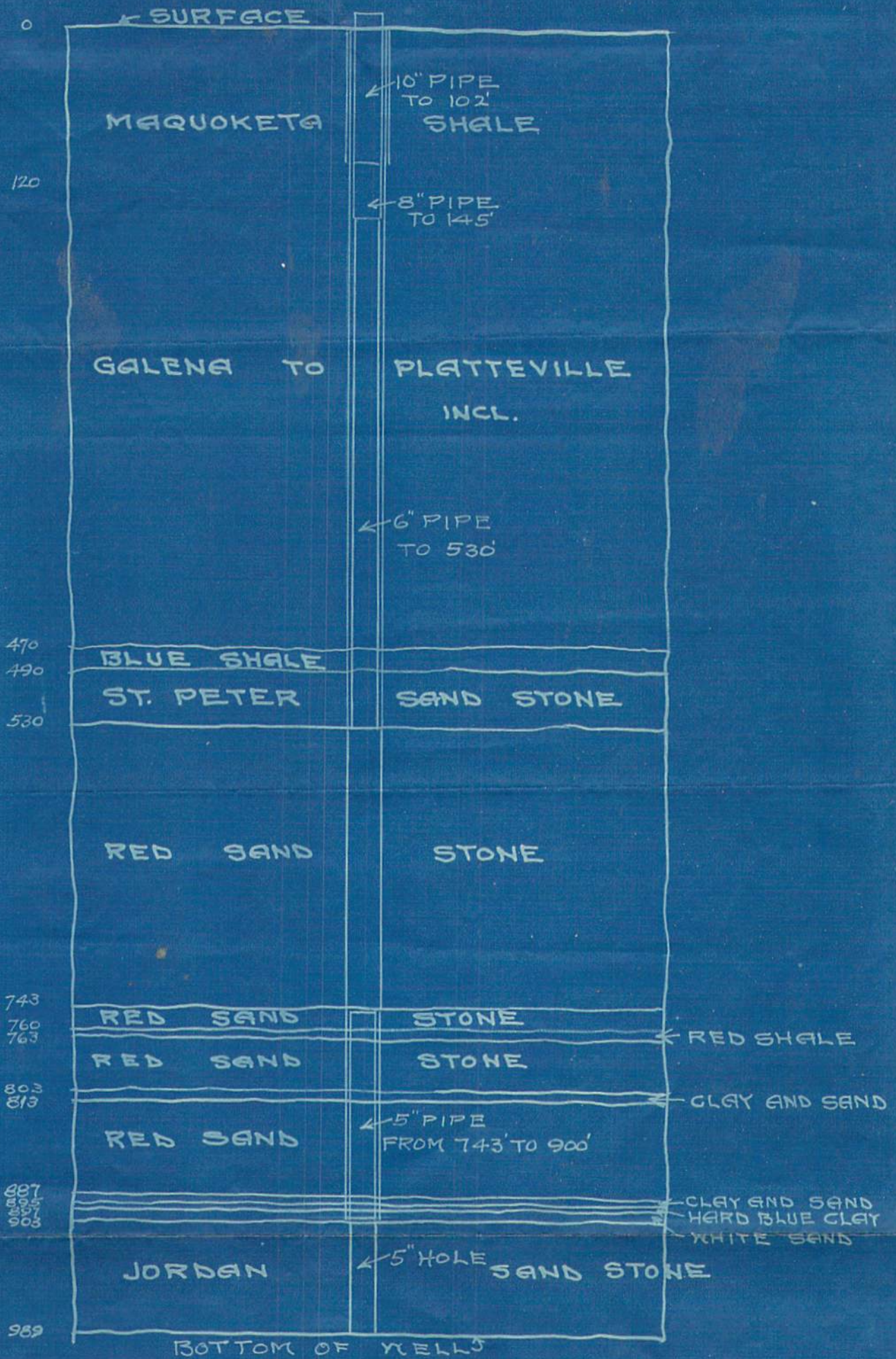
Driller's log and cond. _____

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

Microscopic study Scaly deposit strip log Slud

Gen. log _____ Correl. by Slud, Hubert





PRESTON IOWA

SECTION OF TOWN WELL

PRESTON WATER COMPANY

J. G. THORNE ENGINEER CLINTON IOWA.

1922.

