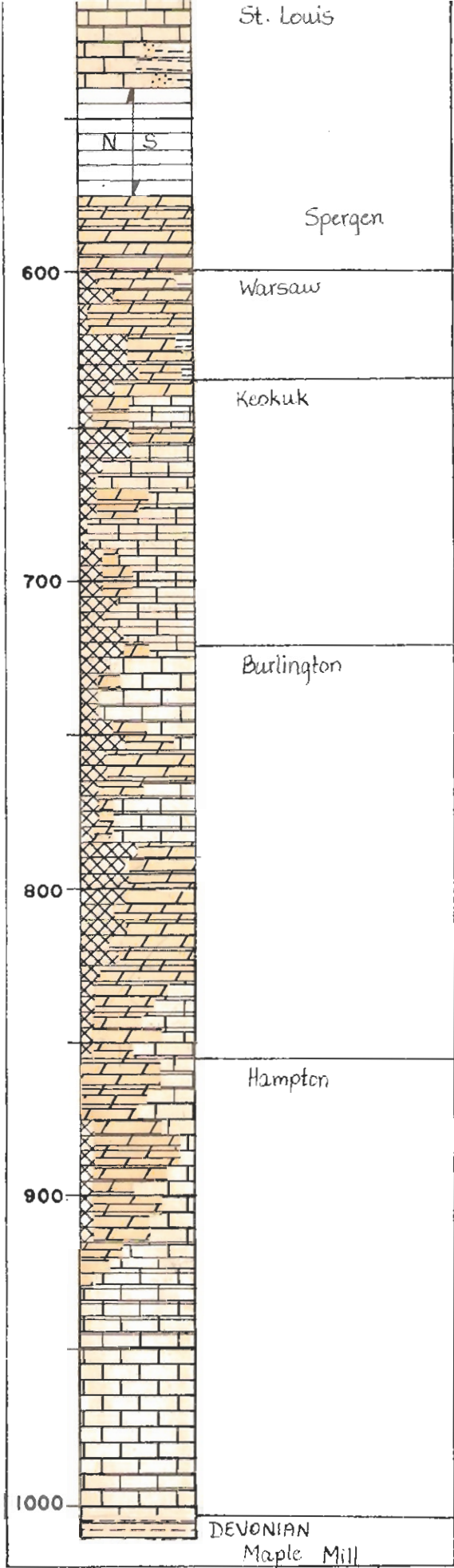
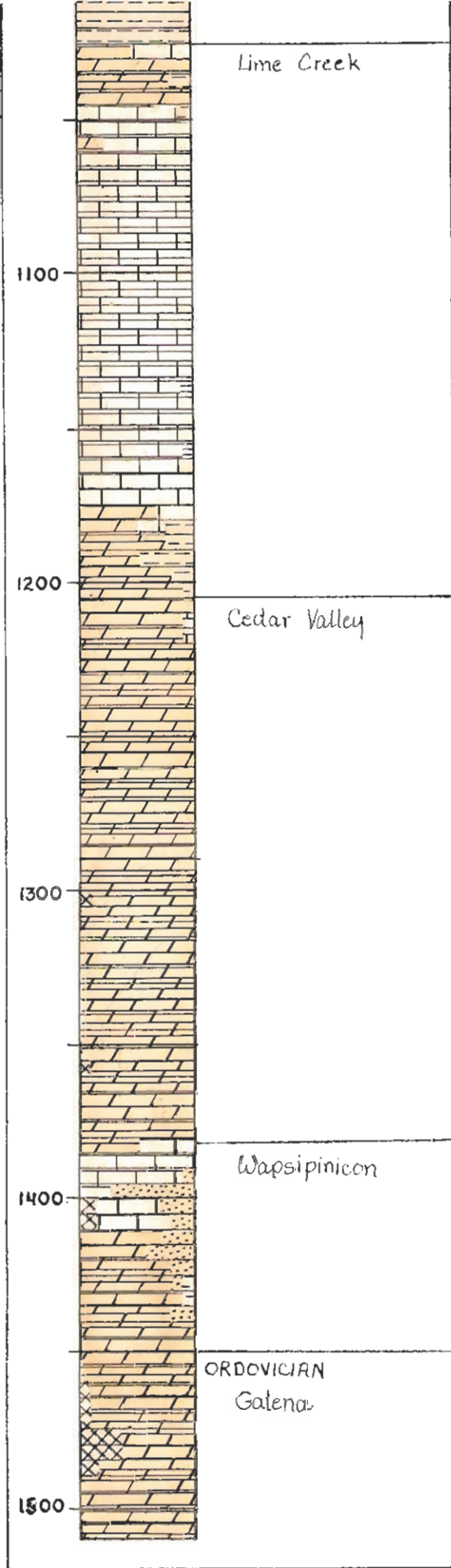
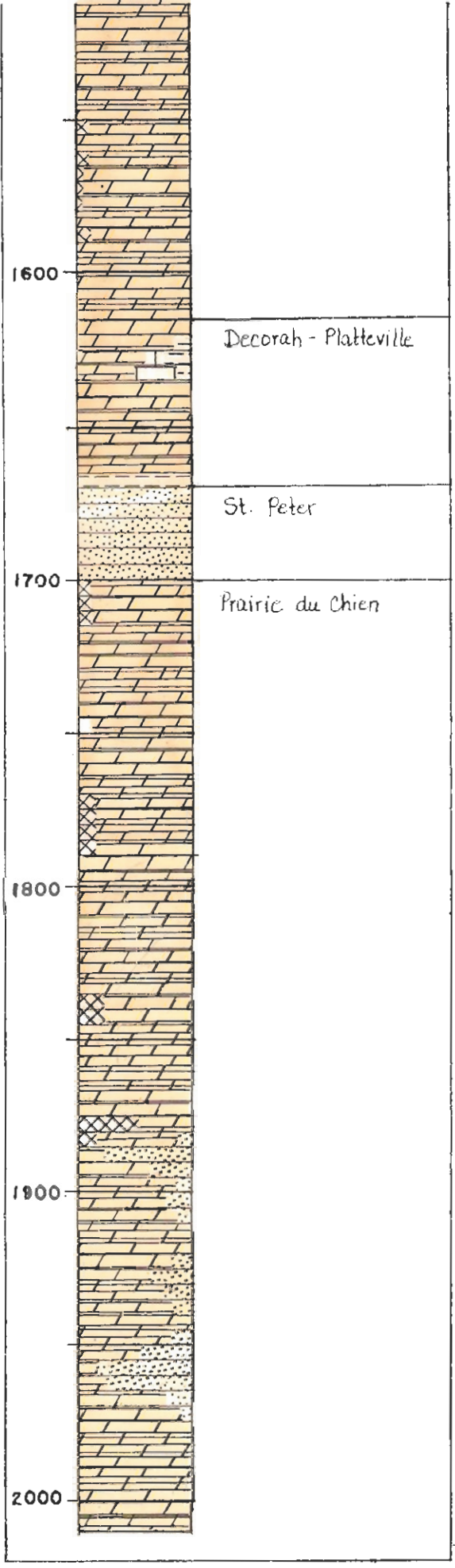


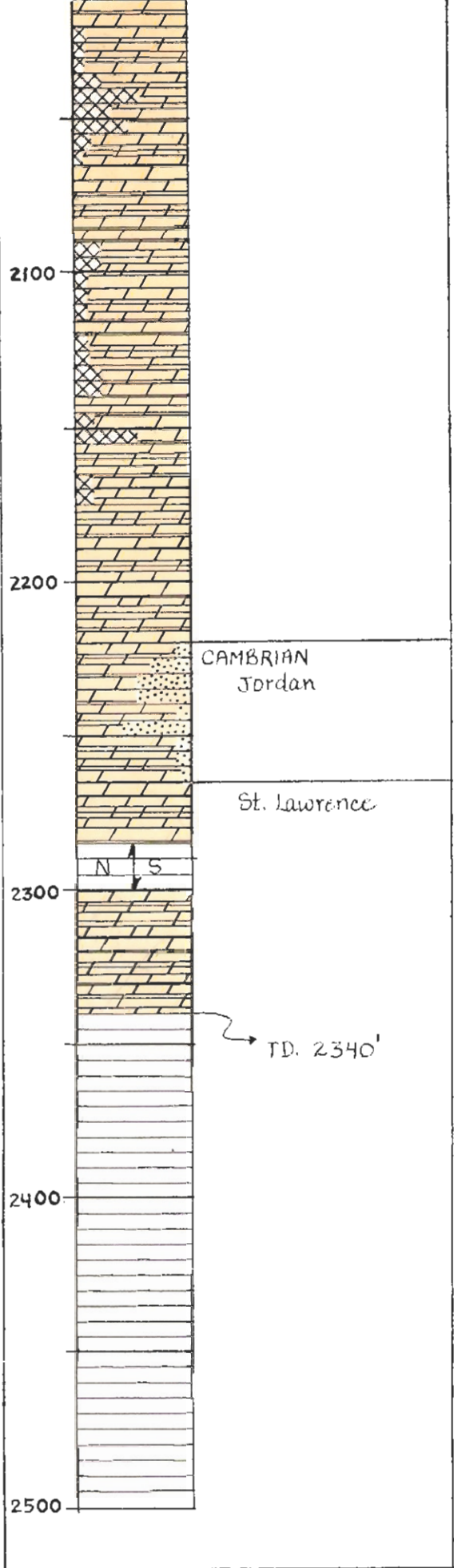
IOWA GEOLOGICAL SURVEY In Cooperation with U. S. GEOLOGICAL SURVEY Iowa City, Iowa																		
Name <i>Cincinnati City Well - 1967</i>		State <i>Iowa</i>																
Town <i>Cincinnati</i>	County <i>Appanoose</i>	Loc. <i>NW NW SW</i>																
Contractor <i>Heeg & Ames & Varco Well Co.</i>		Sec. <i>3</i>																
Drilling Dates <i>August 15 - October 27, 1967</i>		T. N., R. <i>67 N. 18 W.</i>																
Casing Record <i>154' of 18" csg. set @ 158'</i> <i>552' of 14" csg. 0-552'</i> <i>554' of 10" csg. set @ 554'</i> <i>1273' of 6" ID csg. set @ 1825'</i> <i>connected to 10" csg. with 10x6 reducer</i>		<table border="1"> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>																
S.W.L. <i>360'</i>	G.P.M. <i>271</i>	D.D. <i>102'</i>																
Remarks		Elev. <i>1034'</i>																
		T.D. <i>2340'</i>																
Logged By <i>Northrup November 1967</i>		I.G.S. No. <i>W-19808</i>																

- Explanation of Colors
- Soil
 - Loess, Silt on Siltstone
 - Drift
 - Sand & Gravel
 - Shale
 - Sandstone
 - Limestone
 - Dolomite
 - Chert
 - Gypsum or Anhydrite
 - Coal
 - No Samples











MEMBER

Phone 515 473-2707

HOEG & AMES, Inc.

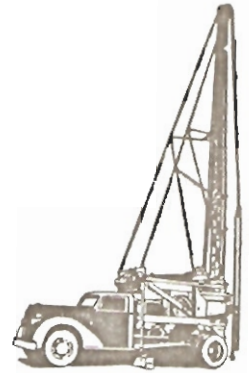
WELL CONTRACTORS

WELL SUPPLIES

☆☆☆

LINCOLN, IOWA
50652

P test



RECORD OF WELL NO. 1.

Owner Town of Cincinnati, Iowa.

Address Cincinnati, Iowa. 52549

Tenant _____

Address _____

Location In the Town of Cincinnati, Iowa, in Pleasant Township, Appanoose County, Iowa.

Started the Well August 15, 1967

Finished the Well October 27, 1967 10" from 0' to 552'

Total Depth 2340 ft. Size of Well 6" from 552' to 2340'

Static Water Level 360 ft.

Draw-down	<u>82</u>	feet, pumping	<u>254</u>	Gal. P.M.
	<u>154 ft.</u>		<u>18" O.D.</u>	
	<u>552 ft.</u>	feet of	<u>14" O.D.</u>	inch pipe installed
	<u>554 ft.</u>	feet of	<u>10" I.D.</u>	inch casing installed
	<u>1273 ft.</u>		<u>6" I.D.</u>	

Driller Varner Well Company, for Hoeg & Ames, Inc.

Remarks 18" pipe is set at 158 ft. 14" pipe is set at 552 ft. 10" pipe is set at 552 ft. and 6" pipe is set at 1825 ft. - connected to 10" pipe with 10 X 6 reducer.

FORMATION

6" and 10" pipe is cement grouted in larger hole and pipe from 1825 ft. to ground level.

OCT 31 1967

VARNER WELL & PUMP CO.
DUBUQUE, IOWA

WELL TEST DATA SHEET

Location WATER TOWER
WATER TOWER

Date tested OCT 26 1967
Tested by BOB E.

Depth of well 2340 ft
Length of airline 430
Pumping level 360' FINAL
Pump size 375' S.W.L. START

Pump used: Driver DIESEL
Column and shaft 6" X
Bowls 9 1/2"
Manufacturer Peer
Serial No.

TIME	PIEZOMETER READING (G.G.N.)	G. P. M.	AIR GAUGE READING (FEET)	PUMPING LEVEL	DRAWDOWN	DISCH. PRESSURE		TOTAL PUMPING HEAD	TEMP.	REMARKS
						LBS.	FEET			
	0		55		0					START OF TEST
				447						Breaking suction
				447	72					
				447	72					
				447	72					
4:45		12.3		385	15					
		254		447	72					
		254		447	72					
		254		447	72					
		254		447	72					
		254		447	72					
		254		447	72					
		254		447	72					
12:00		254		447	72					
1:00 PM		254		447	72					
		254		447	72					
3:00		254		447	72					
4:00		254		447	72					
		254		447	72					
6:00		271		447	72					
7:00		271		447	72					
8:00		261		447	72					

VARNER WELL & PUMP CO.

DUBUQUE, IOWA

WELL TEST DATA SHEET

Job _____ Date tested _____
 Location _____ Tested by _____
 Dia. of well _____ Pump used: Driver _____
 Depth of well _____ Column and shaft _____
 Length of airline _____ Bowls _____
 Non-pumping level _____ Manufacturer _____
 Orifice size _____ Serial No. _____

TIME	PIZOMETER READING (IN.)	G. P. M.	AIR GAUGE READING (FEET)	PUMPING LEVEL	DRAWDOWN	DISCH. PRESSURE		TOTAL PUMPING HEAD	TEMP.	REMARKS
						LBS.	FEET			
	0	0			0					START OF TEST
9:00		175		428	38					
9:30		200		411	41					
9:45		148		394	24					
10:00		118		283	13					
10:20		64		274	4					SHUT PUMP OFF
10:30			70							
<p>AS YOU WILL NOTICE THE S.W.L. WAS 15 FT HIGHER AFTER PUMPING. THIS PROBABLY DUE TO THE HEAVY WATER IN THE WELL FROM DRILLING SOLUTIONS. THEREFORE 15' SHOULD BE ADDED TO THE DRAW DOWN FIGURES</p>										

