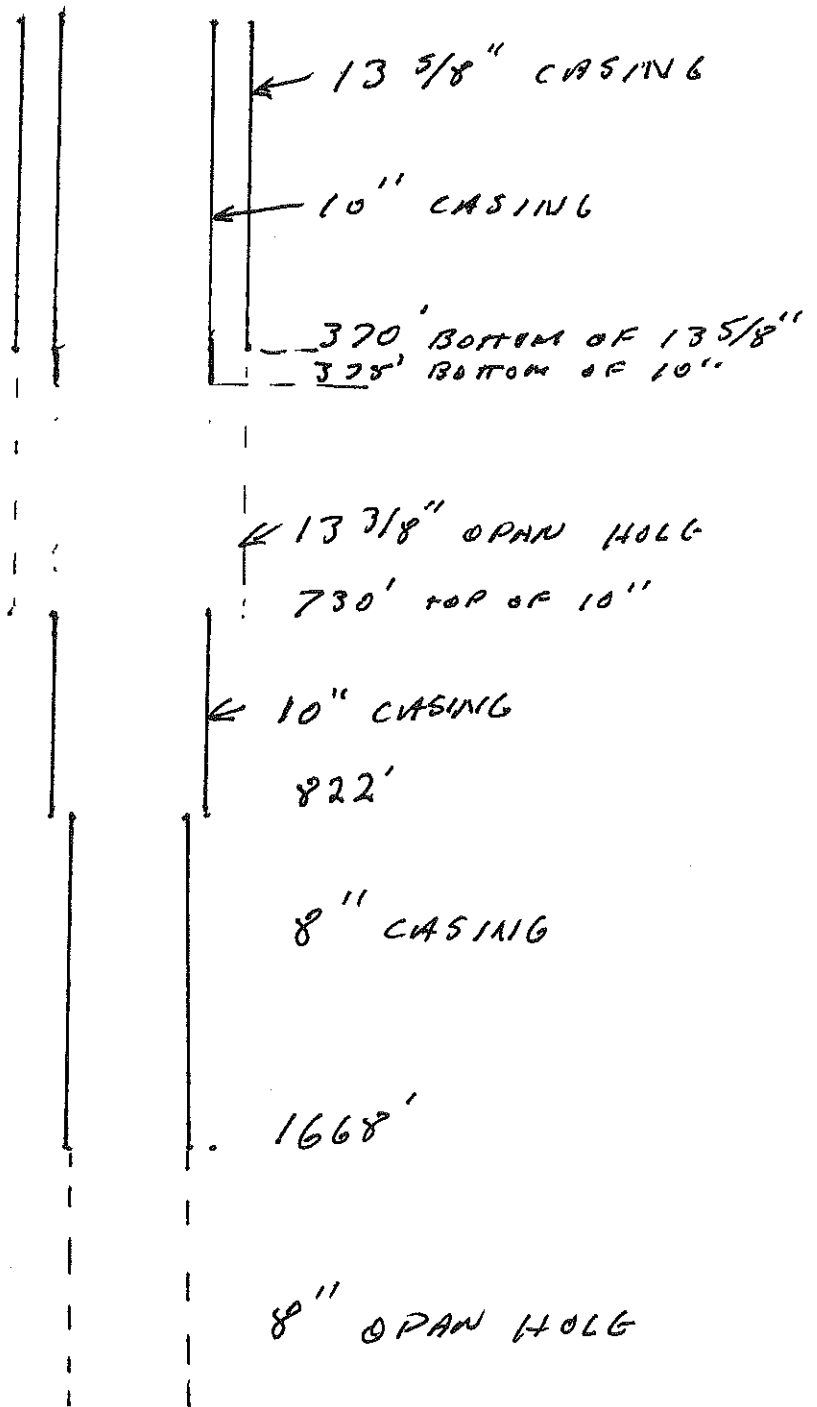


GOWRIE

WELL No. 5

DRILLED 1962



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

W13840

Location:

Town: GOWRIE (NE) (SW) County WEBSTER (E)
sec. 1 T. 86 N., R. 30 (W) Twp.

Well name and number _____

Owner GOWRIE TOWN WELL Address _____
(1962)

Tenant _____ Address _____

Contractor THORPE WELL CO. Address DES MOINES, IOWA

Drillers DOUG. BRUNERKOO, DICK WHITE, DICK NICHOLS, JAMES FIEDEN

Drilling dates MARCH 22 - AUG. 2, 1962

Well data:

Altitudes: Drilling curb _____ feet; Land surface _____ feet

Determined by _____

Topographic position _____

Total depth: Reported 1856 feet; Measured _____ feet

Drilling method CABLE TOOL
13 7/8" CSG. 0-370' cemented. Open hole 370-730'

Hole and casing data 92' 4" OF 10" CSG. 730-822' 6"

822' OF 8" CSG. 852'-1668'

8" CSG. PRR. 1570'-1670' THEN CEMENTED IN.

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

Source of data _____

Sources of water: Principal _____

Others _____

PRODUCTION DATA

Date _____

Static water level _____

Pumping water level _____

Yield (g.p.m.) _____

Measuring point _____

Duration of pumping _____

Specific capacity _____

LABORATORY DATA

Well No. **W13840** Sample range 5-1855 No. of samples 321

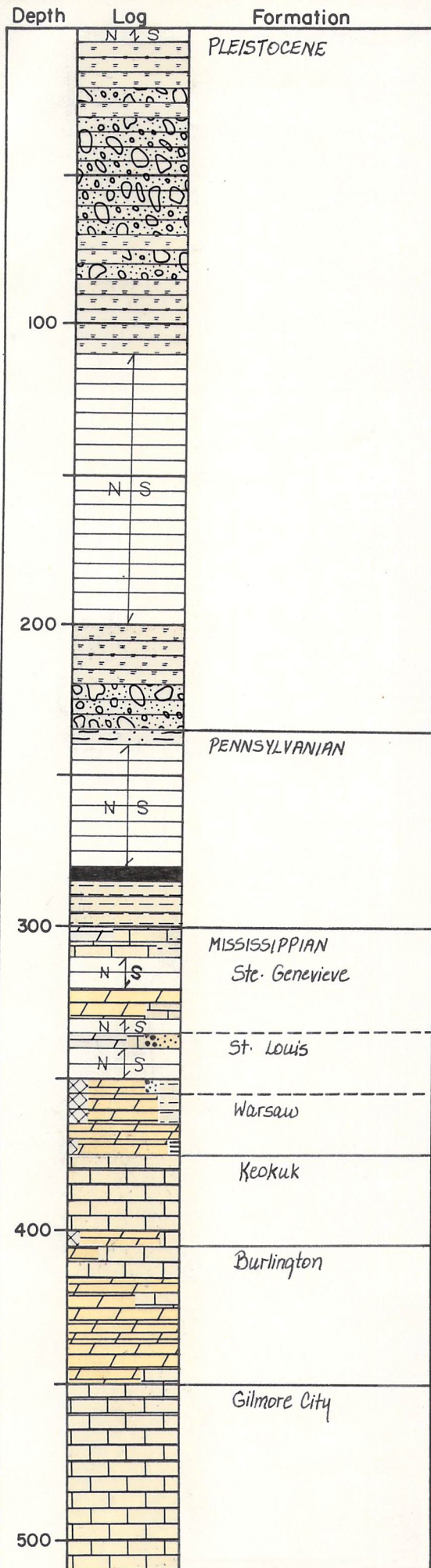
No. of dupls. and cond. 300 Good Washed range 200-1855

Samples prepared by Thompson Date 9/21/62

Logged by NORTHUP Date 11/3/62

Correlations by _____ Date 11/3/62

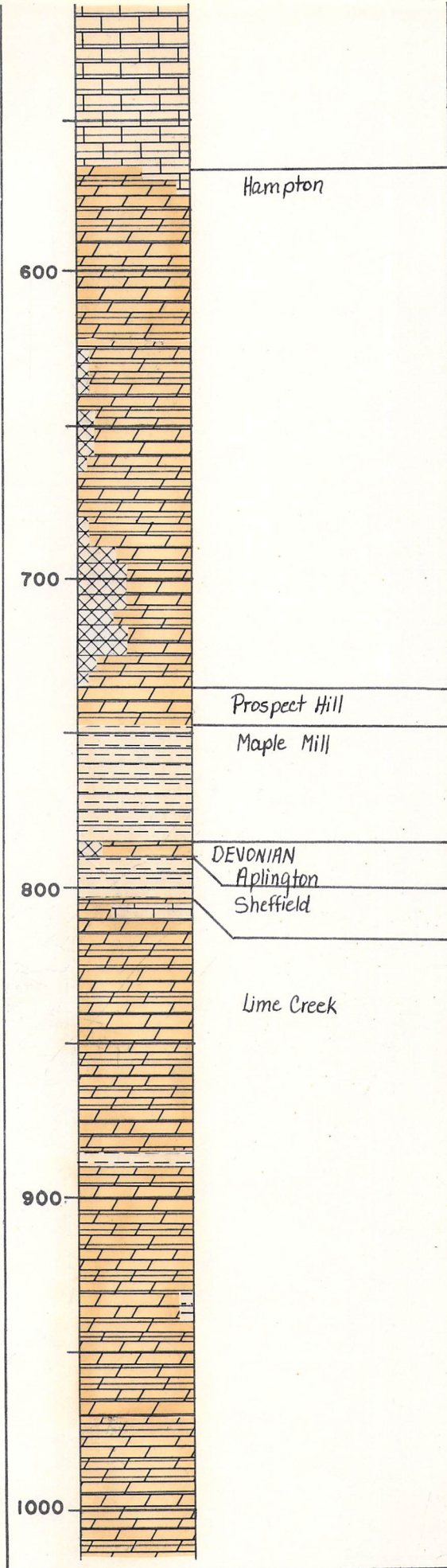
Major Gaps: 110-200
240-280

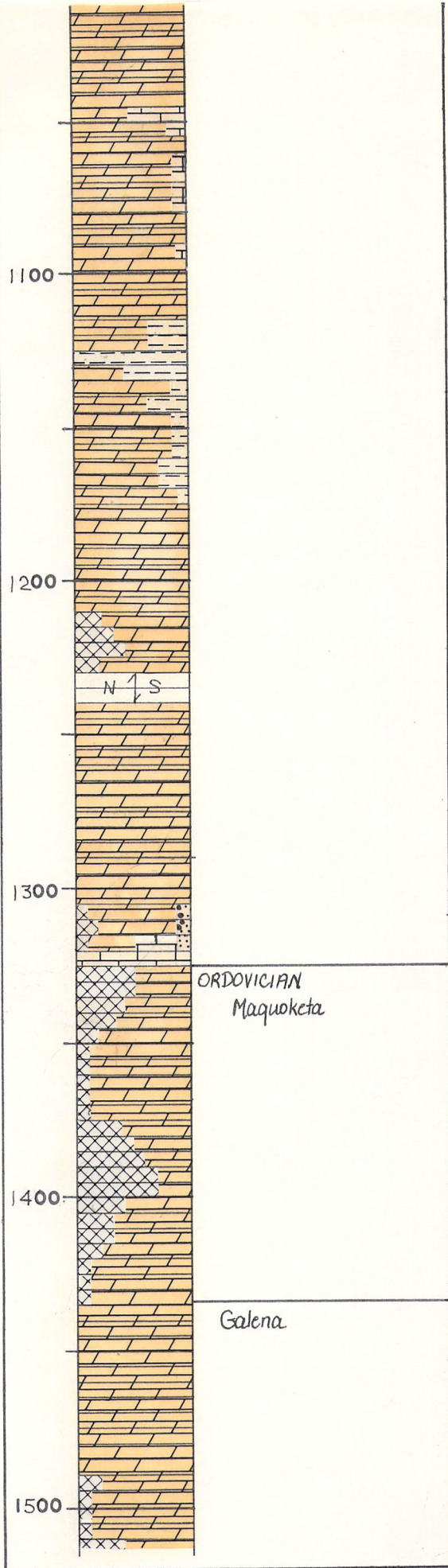


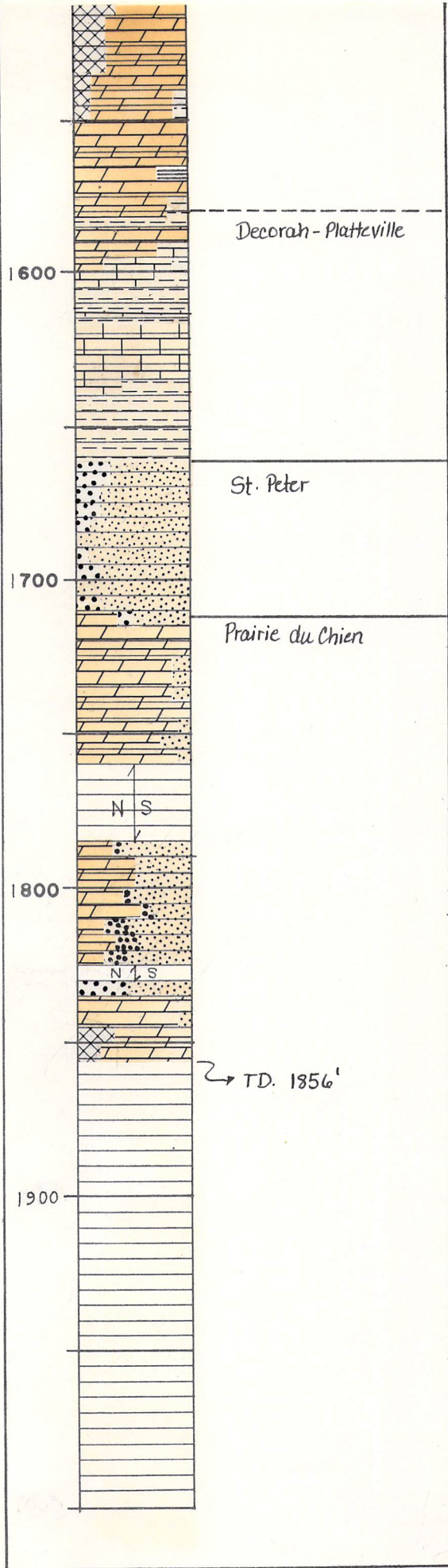
IOWA GEOLOGICAL SURVEY In Cooperation with U. S. GEOLOGICAL SURVEY Iowa City, Iowa	
Name <i>Gowrie Town Well</i>	State <i>Iowa</i>
Town <i>Gowrie</i>	County <i>Webster</i>
Loc. <i>SW SW SE</i>	
Contractor <i>Thorpe Well Co.</i>	Sec. <i>1</i>
Drilling Dates <i>March 22 - Aug. 2, 1962</i>	T. <i>86 N., R. 30 W.</i>
Casing Record <i>13 3/8" to ?</i> <i>92'4" of 10" csg. 730'-822'6"</i> <i>822' of 8" csg. 852'-1668'</i> <i>Perf. from 1570'-1670'</i>	
S.W.L. <i>100</i> G.P.M. <i>252</i> D.D. <i>99</i>	
Remarks <i>Water temp. 54°</i>	
Elev. <i>1140'</i>	
T.D. <i>1856'</i>	
Logged By <i>Northup Jan. 3, 1962</i>	
I.G.S. No. <i>W-13840</i>	

Explanation
of Colors

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







THORPE WELL COMPANY

2340 SIXTH AVENUE
DES MOINES, IOWA

R-1-B

Drilled for City of Gowrie at Gowrie, Iowa
Well is located _____ miles N-E-S-W and _____ miles N-E-S-W from _____
in the _____ ¼ _____ ¼ Section _____ Township _____ Range _____
Drilling started March 22 1962 Completed August 2 1962
Well No. 5 Kind of Well Rock Depth 1856 Size hole started 17 in
Finish 8" G. P. M. 252 Static Head 100 Pumping level from surface 199
Water was first encountered at _____ in _____ Approx. Amt. _____ Temp. 54°
Remarks _____

(GIVE DETAILS OF PERFORATED PIPE AND SEALS)

RECORD OF PERMANENT PIPE					TEMPORARY PIPE	
SIZE PIPE	AMOUNT OF PIPE	DEPTH TO BOTTOM OF PIPE	DEPTH TO TOP OF PIPE	MAKE OF PIPE	SIZE PIPE	AMOUNT
13 3/8			above ground			
10"	92'4"	822'6	730'			
8"	822'	1668	852'			
8"	pipe perforated from 1570 to 1670 then cement in					

Driller Doug Bruinekool From Surface to _____ feet
Driller Richard White From _____ feet to _____ feet
Dick Nichols
Driller James Fiedler From _____ feet to _____ feet

AMOUNT IN FEET	KIND OF SOIL OR FORMATION (BE SPECIFIC)	TOTAL DEPTH FEET
480	was drilled with Rotary	480
85	Lime white	565
10	Lime sandy white	575
5	Sandstone	580
15	Lime sandy white	595
31	Brown lime	626
9	Brown sandy lime	635
25	Lime gray	660
33	Lime brown	693
55	Lime gray	748
55	Shale gray	803
37	Lime gray	840
50	Lime sandy white	890
3	Shale dark gray	893
37	Lime gray	930

(over)

15	Line brown shale streaks	945
170	Lime	1115
10	Lime & shale 50/50	1125
5	Shale	1130
37	Shale & lime	1167
243	Lime	1410
20	Shale	1430
27	Lime	1457
4	Shale	1461
47	Lime	1508
2	Shale gray	1510
31	Lime	1541
3	Shale	1544
11	Lime & shale	1555
11	Lime	1566
4	Shale	1570
10	Shale & lime	1580
4	Shale green	1584
9	Shale gray - lime streaks	1593
5	Shale green	1598
5	Lime brown	1603
8	Shale green	1611
4	lime gray	1615
1	Shale	1616
12	Lime gray & brown	1638
16	Shale & lime	1654
9	Shale	1663
53	Sandstone dirty	1716
45	Lime gray sandy & hard	1761
24	No cuttings	1785
5	Sand white some lime	1790
13	Sand light brown	1803
53	Sand & lime hard	1856