

GW Altoona well folder

memorandum

TO: H. G. Hershey
FROM: Richard C. Northup
RE: Trip to Altoona

At the request of Varner Well Company, a trip was made to Altoona, January 25, to check samples and pick top of the St. Peter and Prairie du Chien prior to their setting casing. On the basis of well cuttings and drilling time, top of the St. Peter was picked at 1,931' and the Prairie du Chien at 1,966'. Drilling had reached 1,980' when I left the well. It was decided to go a hundred feet into the Prairie du Chien before setting and cementing casing. They expect to have this done by Saturday, and with luck, they should be through the Jordan a week or ten days hence.

Noted RCD

GW Altoona town well
folder (1968)

memorandum

TO: Dr. H. G. Hershey
FROM: Richard C. Northup
RE: Altoona City Well #2
DATE: February 13, 1968

The new Altoona City Well has reached final total depth of 2505' in the St., Lawrence. Bud picked up all remaining samples yesterday on his return trip from Ames and Des Moines. They are now planning to move the rotary drilling rig off the location prior to moving in a smaller one with which they will set their test pump. This will not be done until next week, so they will probably not have their pumping test before late next week at the earliest. Mr. Watt, Varner's new drilling Superintendent, phoned me to ask if we would be able to run an electric log on the hole later this week, and Don Koch and Dick Karsten seem agreeable to log the hole about Thursday. Mr. Watt would like us to be on hand for the pumping test, and will phone us in advance to give us sufficient notice.

KARSTEN

ALTOONA - 3/15/68 8:10

H₂O TEMP. +76° F

AIR TEMP. +48° F

After acidizing pumped 2:30 - 4:00
& acid well lost 50 gpm.
from ducts

Information from Varner

3/14/74

Altoona town well No. 2 (1968)

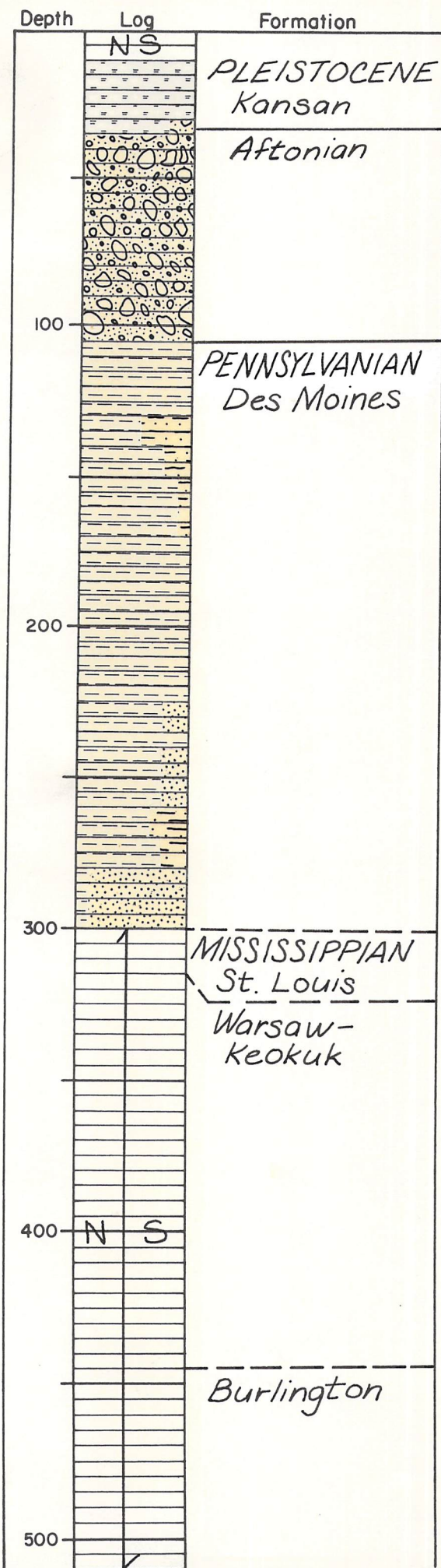
Original SWL 221'

" PWL 382' @ 1042 gpm

" sp. cap. 6.47 gpm/ft dd.

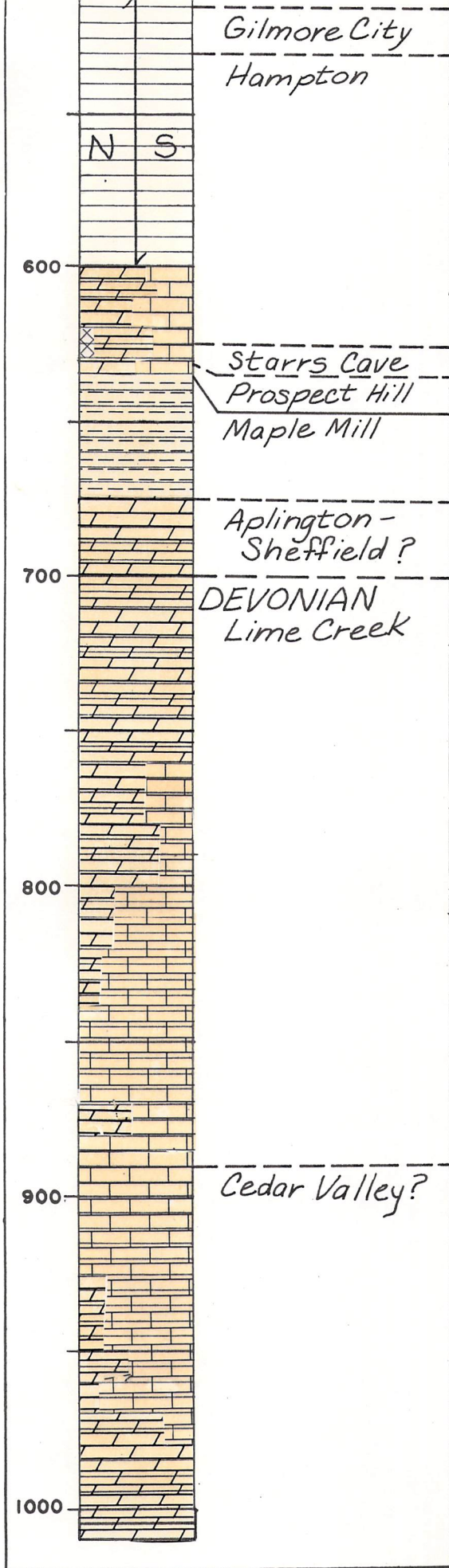
} This doesn't
jibe with pump
test info collected
by survey

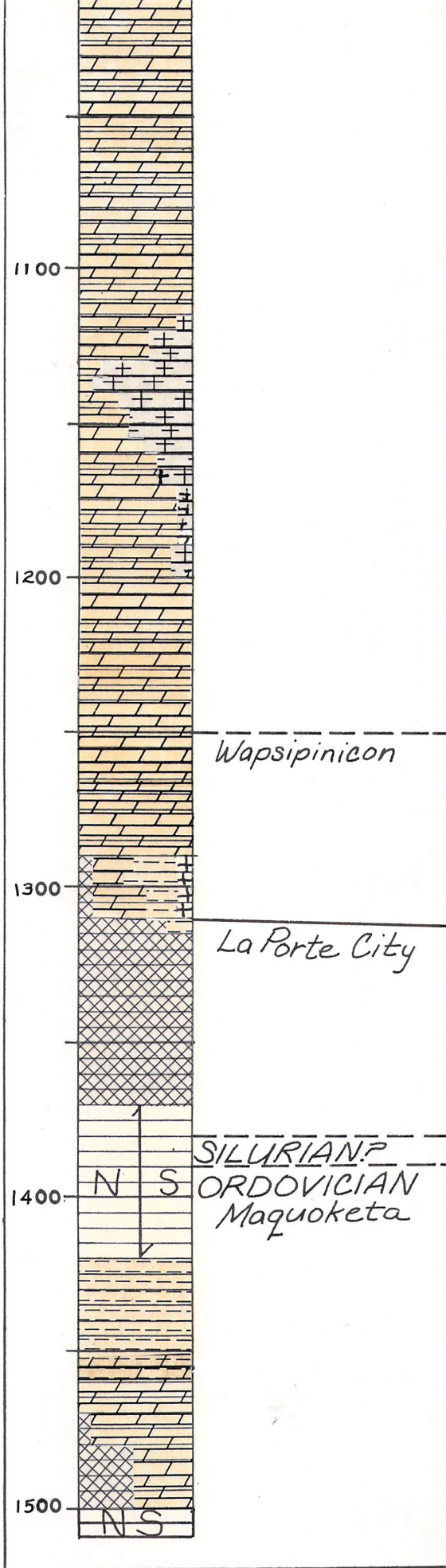
Acidized with 4000 gallons HCl, 15°, injected
through pump column. Well was sealed
at pump base.

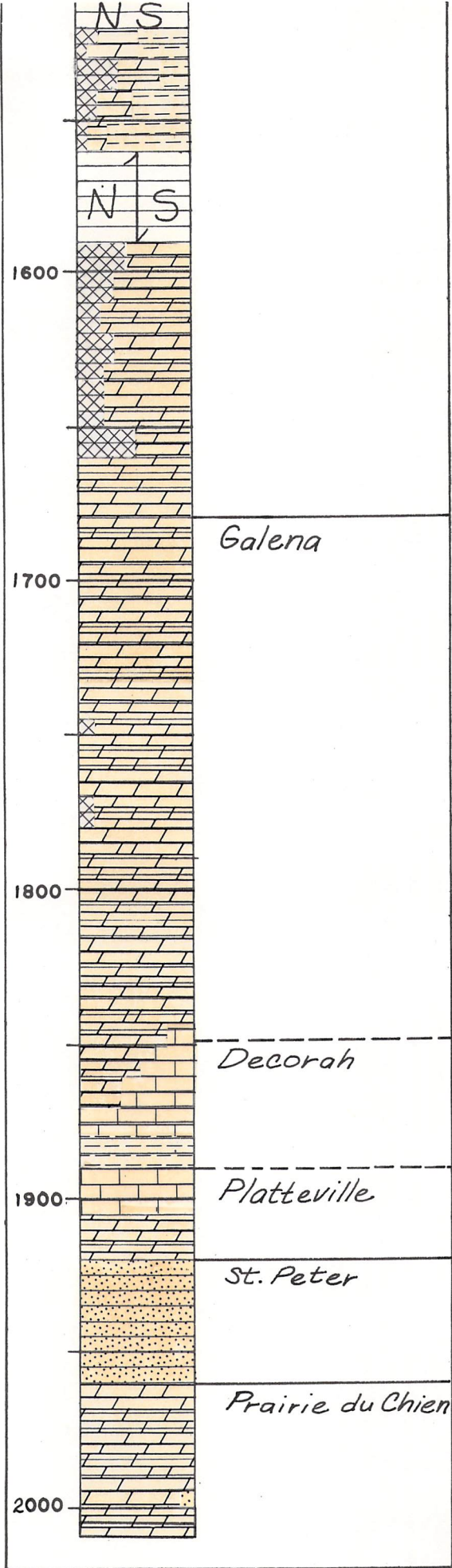


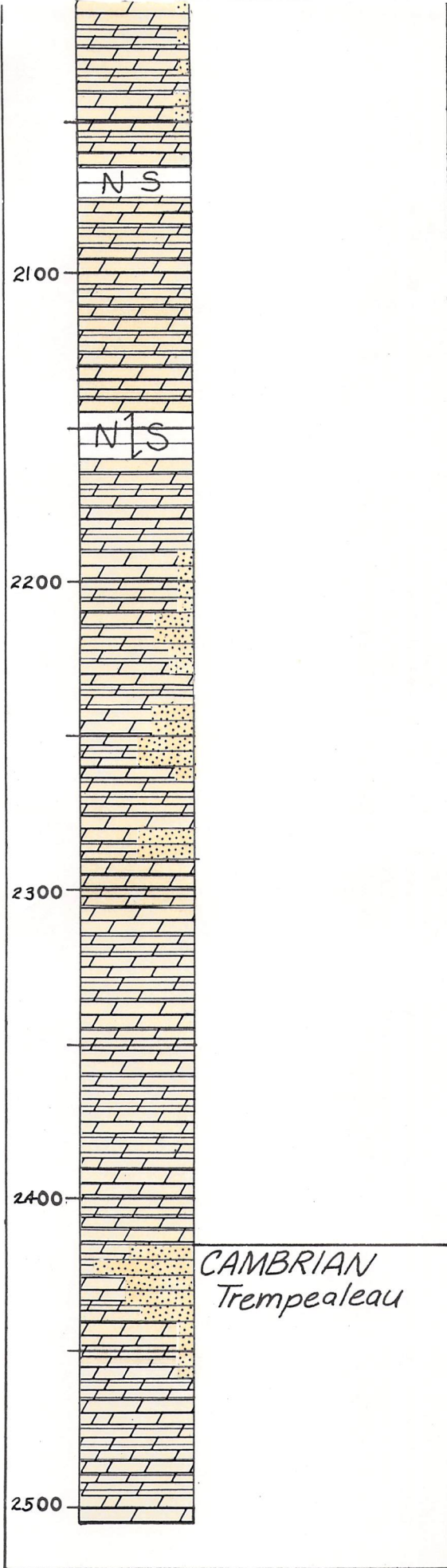
IOWA GEOLOGICAL SURVEY In Cooperation with U. S. GEOLOGICAL SURVEY Iowa City, Iowa																		
Name <i>City Well #2</i>		State <i>Iowa</i>																
Town <i>Altoona</i>	County <i>Polk</i>	Loc. <i>NW NE SE</i>																
Contractor <i>Varner Well & Pump Co.</i>		Driller <i>Varner Well & Pump Co.</i>																
Drilling Dates <i>2-8-68</i>		Sec. <i>13</i>																
Casing Record <i>2066' of 10" casing</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>230'</i>	G.P.M. <i>1311</i>	D.D. <i>40'</i>																
Acidized																		
Remarks <i>10' sample interval</i>		Elev. <i>960'</i>																
<i>Rotary tools</i>		T.D. <i>2505'</i>																
Logged By <i>J. Gilmore 5-20-69</i>		I.G.S. No. <i>W-20165</i>																

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









DRILLER'S NOTEBOOK

WELL RECORD

Driller _____

Address _____

Owner Altoona #2 _____

Address _____

RETURN TO
IOWA GEOLOGICAL SURVEY
IOWA CITY, IOWA

SAMPLE NO.	DEPTH		THICKNESS
	From	To	
	1920	1921	14
		22	17
		23	15
		24	17
		25	10
		26	12
		27	10
		28	30
		29	45
		30	45
1930	31	TOP 52-PTM	15
		32	5
		33	5
		34	3
		35	3
		36	1
		37	2

DESCRIPTION OF BEDS	
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.	
1937	T. 1938 3
	39 2
	40 1
	41 2
	42 1
	43 2
	44 1
	45 2
	46 1
	47 2
	48 1
	49 1
	50 2
	51 6
	52 2
	53 1
	54 1

SAMPLE NO.	DEPTH		THICKNESS
	From	To	
	1954	1955	2
		56	1
		57	1
		58	2
		59	2
		60	2
		61	3
		62	7
		63	7
		64	8
		65	7
	TOP PRAIRIE DOCK	66	3
		67	17
		68	10
		69	10
		70	12
		71	13

DESCRIPTION OF BEDS	
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.	
1971-1972	MINORS Pen AT 13
73	17
74	14
75	19
76	11
77	11
78	10
79	15
80	15