

1. Contract Town of Neola Date June 22, 1966
2. City and State Neola, Iowa Driller Dick Farrell
3. Well No. 5 at test hole No. 66-1 Well location (attach map) In city park at west edge of town, near the ball park
4. Work completed June 23, 1966 No of man hours as charged to job on time sheet _____

5. MATERIAL:	LENGTH	DIA.	GAUGE OR WALL THICKNESS	MATERIAL	TYPE	NO. OF OPENINGS
6. Screen	<u>30'</u>	<u>10"</u>	<u>7 ga.</u>	<u>Stainless Steel</u>	<u>Layne</u>	<u>5</u>
7. Inner Casing	<u>92'</u>	<u>10"</u>	<u>Standard</u>	<u>Steel</u>	<u>T & C</u>	
8. Outer Casing						

9. 30 tons of gravel used in the well. Size concrete mix and road gravel
10. Test of well. Did you use test or permanent pump? test THC 5
Size of Bowl Stages
11. Size of orifice 2 inch by 4 inch. Orifice tube reading 12 inches.

12. Pumping test — measurements from ground level:

TIME	G.P.M.	STATIC	DRAWDOWN	PUMPING LEVEL
<u>1:00</u>	<u>225</u>	<u>11'</u>	<u>29'</u>	<u>40'</u>
<u>1:30</u>	<u>225</u>	<u>11'</u>	<u>30'</u>	<u>41'</u>
<u>2:00</u>	<u>225</u>	<u>11'</u>	<u>31'</u>	<u>42'</u>
<u>3:00</u>	<u>225</u>	<u>11'</u>	<u>31'</u>	<u>42'</u>
<u>4:00</u>	<u>225</u>	<u>11'</u>	<u>31'</u>	<u>42'</u>
<u>5:00</u>	<u>225</u>	<u>11'</u>	<u>31'</u>	<u>42'</u>
<u>6:00</u>	<u>300</u>	<u>11'</u>	<u>45'</u>	<u>56'</u>

13. Recovery in 5 minutes back to 24', in 30 minutes _____
14. Did you seal bottom of well? yes Thickness 3/8 inches, material stainless
15. Well underreamed? From _____ feet to _____ feet, _____ feet to _____ feet.
16. If all screen was not placed at bottom, state how it was spaced.
 From 70 feet to 75 feet; from 80 feet to 90 feet; from 95 feet to 100 feet.
from 110' to 120'
17. Depth of well from ground level to top of plug 122' 6" Size of drilled hole 30"
18. Was cement placed around or between any of the casings? _____
19. If so, state where, how much and method used. _____

CONTRACT Naola, Iowa Well No. 4

Log of well from ground level:

Feet 0	to	Feet 15	Formation
			Black soil
15	to	41	Clay (blue)
41	to	46	Coarse sand and fine sand
46	to	48	Sandy clay (blue)
48	to	50	gravel and boulders
50	to	52	Clay (blue)
52	to	69	Coarse to fine sand
69	to	70	Clay (blue)
70	to	78	Fine to coarse sand with small gravel
78	to	79	Clay (yellow)
79	to	81	Sand - rusty color
81	to	90	Sandstone with shale streaks (buff)
90	to	94	Shale (yellow)
94	to	102	Sandstone, fairly coarse (buff)
102	to	109	Shale (yellow)
109	to	122	Sandstone, medium to fine (buff)

