

Layne-Western Company, Inc.



- 1. Contract Dunlap, Iowa Date April 13, 1984
- 2. City and State Dunlap, Iowa Driller Tom Payton
- 3. Well No. 84-1 at test hole No. 80-1 Well location (attach map) North of Town, E. of Hwy. 30 in Athletic Field.
- 4. Work completed 04/13/84 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>15/20</u>	<u>12"</u>		<u>stainless steel</u>	<u>Cook</u>	<u>30/70</u>
7. Inner Casing	<u>65</u>	<u>12"</u>	<u>.375</u>			
8. Outer Casing						

9. 7/7 tons of gravel used in the well. Size concrete and road

10. Test of well. Did you use test or permanent pump? Test 10" 4
Size of Bore Stages

11. Size of orifice 5 inch by 6 inch. Orifice tube reading 21 inches.

12. Pumping test — measurements from ground level:

TIME	GPM	STATIC	DRAWDOWN	PUMPING LEVEL
	<u>570</u>	<u>29</u>	<u>14.5</u>	<u>43.5</u>

13. Recovery in 5 minutes 31.0 in 30 minutes 30.25

14. Did you seal bottom of well? Yes Thickness 3/16 inches, material stainless steel

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 _____ feet to _____ feet; from _____ feet to _____ feet; from _____ feet to _____ feet.

17. Depth of well from ground level to top of plug 97' Size of drilled hole 24"

18. Was cement placed around or between any of the casings? No

19. If so, state where, how much and method used. _____

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Well Information

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Omaha, Nebraska

CONTRACT Dunlap, Iowa

Well No. 84-1

Log of well from ground level:

Screen

Feet	to	Feet	Formation
0'	to	5'	Black soil
5'	to	25'	Brown clay
25'	to	35'	Gray clay
35'	to	42'	Coarse sand and gravel
42'	to	43'	Blue clay
43'	to	69'	Coarse, medium and fine sand and gravel
69'	to	70'	Blue clay
70'	to	76'	Fine blue sand
76'	to	80'	Blue, red and white shale, some gravel
80'	to	81'	Limestone -
81'	to	82'	Shale, blue color
82'	to	85'	Rusty sandstone, some shale
85'	to	97'	Medium sandstone
97'	to		Blue shale -
	to		
	to		

