

1. Contract Orange City, Iowa Date August 4, 1970
 2. City and State Orange City, Iowa Driller Vic Soukup
 3. Well No. 2W at test hole No. 70-3 Well location (attach map) Northeast corner of (West Branch well field) 80 acres.

4. Work completed..... 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>20'</u>	<u>16"</u>	<u>3/16"</u>	<u>S.S.</u>	<u>Shutter</u>	<u>.5</u>
7. Inner Casing	<u>50'</u>	<u>16"</u>	<u>3/8"</u>	<u>Black Pipe</u>		
8. Outer Casing						
9. <u>16</u> Yds. of gravel used in the well. Size <u>Road on top cement mix on bottom</u>						

10. Test of well. Did you use test or permanent pump? Size of Bowl Stages

11. Size of orifice.....inch by.....inch. Orifice tube reading.....inches.

12. Pumping test — measurements from ground level:

TIME	G.P.M.	STATIC	DRAWDOWN	PUMPING LEVEL
<u>2 Hrs.</u>	<u>200</u>	<u>4'6"</u>	<u>8'</u>	<u>15'6"</u>
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13. Recovery in 5 minutes.....Full....., in 30 minutes.....

14. Did you seal bottom of well? Yes Thickness 1/4 inches, material Stainless steel plate

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.....59.....feet to.....69.....feet; from.....29.....feet to.....39.....feet; from.....feet to.....feet.

17. Depth of well from ground level to top of plug.....69'..... Size of drilled hole.....34".....

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

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

Log of well from ground level:

Diagram illustrating the cross-section of a well casing and pack system. The diagram shows a central casing with a gravel pack on top and a clay pack on the bottom. The casing is divided into sections: 10' Screen, 20' Blank Plug, 10' Screen, and Casing. The gravel pack is 59' deep, and the clay pack is 10' deep. The total depth is 69'. The casing is 34' in diameter. The natural ground level is indicated at the bottom.

Component	Depth (ft)	Material / Feature
Gravel Pack	59'	Gravel
Clay Pack	10'	Clay
Casing	34'	Steel Casing
Screen	10'	Screen
Blank Plug	20'	Blank Plug
Screen	10'	Screen