Layne-Western Company, Inc.

Well Information
Omaha, Nebraska

1. Contract City of Shenandoah Date 10/5/75
2. City and State Shenandoah, Iowa Driller Harold Statz
3. Well No. 25 at test hole No. 75-3 Well location (attach map) S.W. of Beacon by wind sock
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	10'	18"	7 Gauge	Stainless Steel	Layne	5
7. Inner Casing	31'	18"	.375"	Steel	welded	
8. Outer Casing						

9. 7½ tons of gravel used in the well. Size road gravel
10. Test of well. Did you use test or permanent pump? test 8 (Size of Bowl) 5 (Stages)
11. Size of orifice 6 inch by 3 inch. Orifice tube reading 34 inches.
12. Pumping test — measurements from ground level:

TIME	G.P.M.	STATIC	DRAWDOWN	PUMPING LEVEL
24 Hrs.	195	7'	7'	14'

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13. Recovery in 5 minutes full, in 30 minutes full
14. Did you seal bottom of well? Yes Thickness 3/16 inches, material stainless steel
15. Well underreamed? No From ..... feet to ..... feet, ... feet to ..... feet.
16. If all screen was not placed at bottom, state how it was spaced.

    From 236' feet to 336' feet; from ..... feet to ..... feet; from ..... feet to ..... feet.
17. Depth of well from ground level to top of plug 33'6" Size of drilled hole 36"
18. Was cement placed around or between any of the casings? Yes
19. If so, state where, how much and method used. top 15 4 Yds. 8 - #6 bars, 3' long in top

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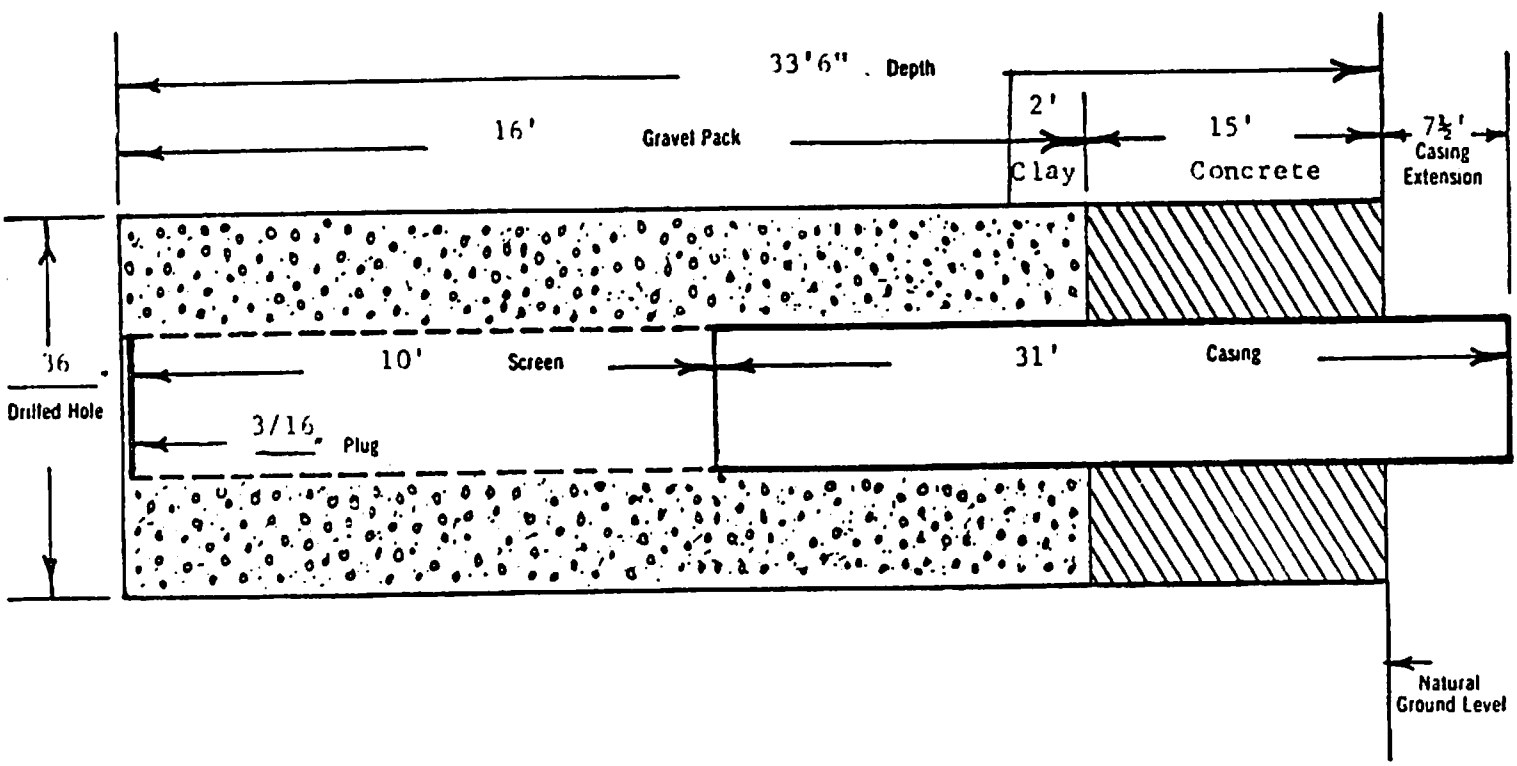
NTRACT City of Shenandoah Well No. 25

Log of well from ground level:

Feet		Feet	Formation
0'	to	1'	fill
1'	to	3'	Top soil
3'	to	5'	Brown clay
5'	to	15'	Gray clay
15'	to	31'	Gravel, coarse sand, fine sand, buff
31'	to	33'6"	Gravel coarse sand, blue
33'6"	to		Blue shale
	to		
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