Layne-Western Company Omaha, Nebraska

Well Information

1. Contract Village of Panama Date June 5, 1967
2. City and State Panama, Iowa Driller Bob Statz
3. Well No. 67-1 at test hole No. 67-1 Well location (attach map) at north edge of Panama, Iowa on east side of highway #191
4. Work completed June 5, 1967 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	5'	8"	3/16"	stainless	shutter	# 5
7. Inner Casing	34'	8"		steel	T &C	
8. Outer Casing						

9. 3½ tons of gravel used in the well. Size road gravel
10. Test of well. Did you use test or permanent pump? test Berkley submersible (Size of Bowl) 1/2 HP (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
8:00	7½	28'	3'	31'
9:00	7½	28'	3'	31'
10:00	7½	28'	3'	31'
12:00	7½	28'	3'	31'
2:00	7½	28'	3'	31'

13. Recovery in 5 minutes full, in 30 minutes .....
14. Did you seal bottom of well? yes Thickness 3/8 inches, material 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 ..... feet to ..... feet; from ..... feet to ..... feet; from ..... feet to ..... feet.
17. Depth of well from ground level to top of plug 38' Size of drilled hole 18"
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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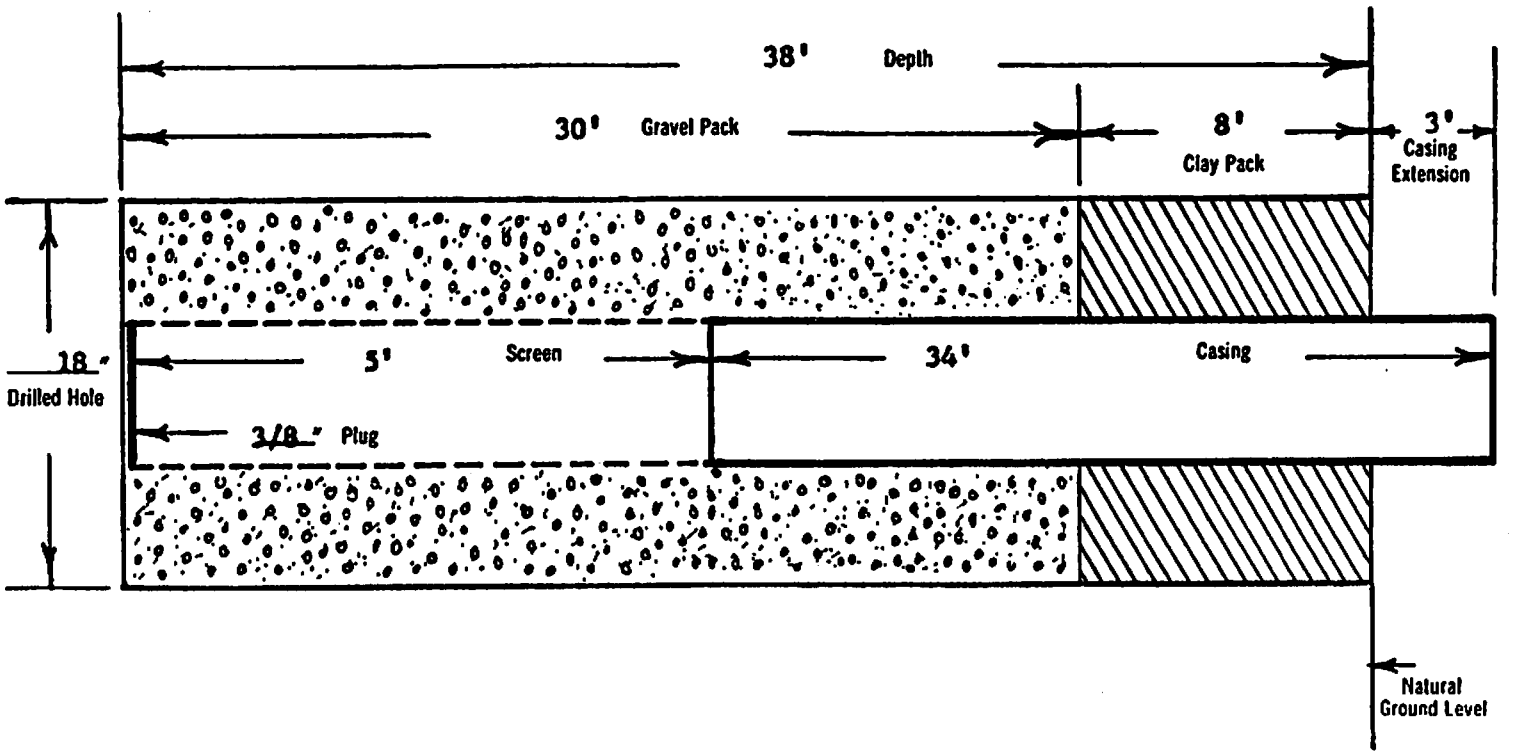
CONTRACT Village of Panama, Iowa Well No. 67-1

Log of well from ground level:

Feet		Feet	Formation
	to		
0	to	3	Top soil
3	to	9	Brown clay
9	to	17	Gray clay
17	to	32	Blue clay
32	to	39	Blue sand, medium
39	to	40	Boulders and blue sand
	to		
	to		
	to		
	to		
	to		
	to		
	to		
	to		
	to