w#36521

Layne-Western Company, Inc. Well Information

Omaha, Nebraska

1. Contract Town of Blencoe, Iowa Date 8-18-73

2. City and State Blencoe, Iowa Driller Vic Soukup

3. Well No. 2 at test hole No. 73-1 Well location (attach map) 110' S.W. of well #1

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	15	8"		S.S.	Layne shutter	5
7. Inner Casing	82	8"	S.T.D.	Black pipe	Welded	
8. Outer Casing	6'6	Pitless adaptor				

9. 13 tons of gravel used in the well. Size Hartford road gravel

10. Test of well. Did you use test or permanent pump? Centrifugal Pump ____ (Size of Bowl) ____ (Stages)

11. Size of orifice 4 inch by 3 inch. Orifice tube reading ____ inches.

12. Pumping test — measurements from ground level:

TIME	G.P.M.	STATIC	DRAWDOWN	PUMPING LEVEL
4 hrs.	219	7'	3'6	10'6"

13. Recovery in 5 minutes full, in 30 minutes ____

14. Did you seal bottom of well? yes. Thickness 3/8" inches, material S.S. plate

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 100'. Size of drilled hole 24"

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

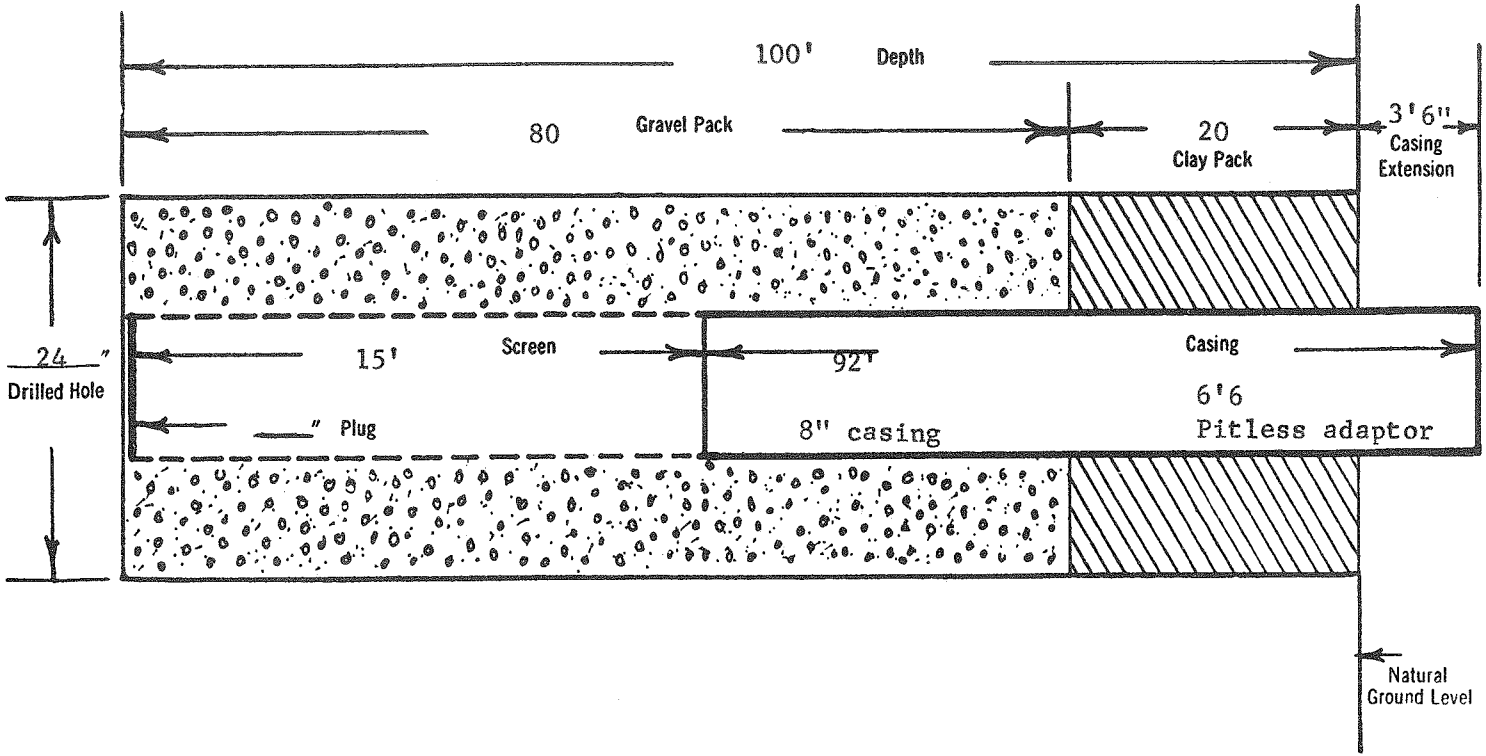
19. If so, state where, how much and method used. ____

LW-65

CONTRACT Blencoe, Iowa Well No. 2

Log of well from ground level:

Feet		Feet	Formation
0	to	3	Silty sand
3'	to	9'	Brown silty clay and sand
9'	to	35'	Fine sand
35'	to	50'	Fine and medium sand
50'	to	55'	Fine and coarse sand and gravel
55'	to	60'	fine sand
60	to	75'	fine and medium sand
75'	to	80'	Coarse sand and small gravel
80'	to	100'	Coarse sand and gravel
	to		
	to		
	to		
	to		
	to		
	to		
	to		



WATER ANALYSIS REPORT

GENERAL FILTER COMPANY
AMES, IOWA

WATER ANALYSIS REPORT

CUSTOMER Layne Western Company DATE 9-2-73

ADDRESS Omaha, Nebraska

JOB NAME TOWN OF BLENCOE, IOWA Record File

SAMPLE NUMBER		73398				
DATE COLLECTED		8-17-73 by Vic Soukup				
DATE RECEIVED		8-27-73				
SAMPLING POINT		Well #2				
CALCIUM	PPM AS $CaCO_3$	402				
MAGNESIUM	PPM AS $CaCO_3$	198				
SODIUM	PPM AS $CaCO_3$	122				
ALKALINITY (M)	PPM AS $CaCO_3$	576				
ALKALINITY (P)	PPM AS $CaCO_3$	0				
SULFATE	PPM AS $CaCO_3$	138				
CHLORIDE	PPM AS $CaCO_3$	8				
TOTAL HARDNESS	PPM AS $CaCO_3$	600				
NON CARBONATE HARD	PPM AS $CaCO_3$	24				
FREE CARBON DIOXIDE	PPM AS CO_2	90				
IRON	PPM AS Fe	8.1				
MANGANESE	PPM AS Mn	0.7				
pH		7.1				
TURBIDITY	TURBIDITY UNITS	73.				
COLOR	AWWA					

REMARKS:

Dennis DeBoer NKS
CHEMIST