WELL LOG

Feet	Feet	Description
0 to 1		Brown top soil
1 to 7		Brown clay, dirt, sand and landfill debris
7 to 13		Brown clay with sand traces
13 to 24		Fine to coarse sand and gravel
24 to 27.5		Gray sticky clay.
27.5 to 31		Fine to coarse sand and gravel
31 to 34		Large gravel, small cobbles and sand.
34 to 62		Gray hard clay.
62 to 64		Fine to medium gravel, sand with clay seams
64 to 73		Fine to coarse sand and gravel.
73 to 74.5		Fine to medium gray sand.
74.5 to 101.27		Fine to coarse sand and gravel.
101.27 to 102.27		Weathered limestone bottom.
to		
to		
to		
to		
to		
to		
to		
to		
to		
to		

Well Test Data: Static Level 16.5' pumping level 69' after 9.5 hours pumping at 306 g.p.m.

Length of test 9.6 hrs. See Well Test Data Sheet Dated July 30, 1987

REMARKS:

Well Information—Drift Wells

#28753

Layne-Western Company, Inc.

WATER SUPPLY CONTRACTORS

705 SO. DUFF AVE.   AMES, IOWA 50010
Phone 515 232-3563

Name of Job __City of Columbus Junction__ Date __7/26/87__

City or Village __Columbus Junction__ State __Iowa__

Well No.: __4__ Drillers: __Wade Stockton__

Well Location: _____ ft. (____) and _____ ft. (____) of the _____ corner of

Section _____, Twp. _____ (____), Range _____ (____) _____ County.

Otherwise located as __Due North of ground storage tank, east of proposed new water treatment plant.__

Work Began: __7/23/87__ Work Completed: __7/26/87__ Well Depth: __101.27__

All measurements made from existing ground level at time well was drilled.

Casing Record:

Amount	Dia.	Wt. or Thickness	Material				
75.3	16"	.375	Steel	with welded joints from +4.06	to 71.27
				with _____ joints from _____	to _____

Screen Record: Type __Roscoe Moss Shutter__

Amount	Dia.	Opening	Material				
30'	16	.055	Stainless Steel	with welded joints from 71.27	to 101.27
				with _____ joints from _____	to _____

Type of Seal at Bottom __Stainless steel plate__

Hole Record:

__56__ inch from __0__ to __12'__

__48__ inch from __12'__ to __102.27'__

Gravel Pack Record:

Amount	Size	Source	From	To
29 tons	#2	Northern Gravel Company	64'	102.27'

Cementing Record: __9.5 yards from -1.5' to -22' 4000 pound mix.__

Backfill Record: __4' of bentonite from 60' to 64'. Cuttings and clay from 22' to 60'.__

LW-33   **SEE OTHER SIDE**