

Sargent Drilling
INDUSTRIAL ENGINEERING
COMPLETE MUNICIPAL AND INDUSTRIAL
WELL AND PUMP SERVICE

PO Box 367
 Geneva, NE 68361-0367

846 South 13th St.

Phone: (402) 759-3902
 1-888-496-3902

TEST HOLE LOG

CUSTOMER: City of Storm Lake	
WELL ID: TW08-1	
LOCATION:	
LATITUDE: 42° 38' 01.3"	
LONGITUDE: 095° 14' 36.7"	
FOOTAGES:	
DATE: 8-7-08	DRILLED BY: CL

SWL:
 PWL:
 GPM: 326

<u>from feet</u>	<u>- to feet</u>	
0	5	Topsoil
5	20	Yellow sandy clay and blue sandy clay
20	40	Sandy gray clay and fine, medium and coarse sand with fine gravel layers
40	60	Fine, medium and coarse gravel and sandy blue clay streaks
60	70	Medium and coarse gravel
70	80	Fine and medium sand
80	110	Fine and medium gravel
110	120	Shale, Hard

Well Depth: 115'
 Bore Hole Dia: 10"

Plain casing: 75' of 6"
 Perf. casing: 40' of 6" slot size: .020"

Gravel pack from 75' to 115'
 Bentonite from 0' to 75'

dh

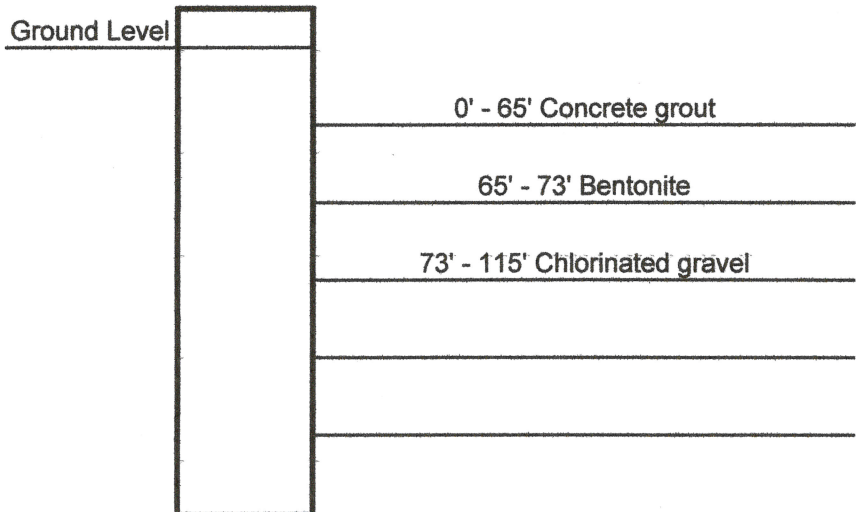
Sargent Drilling
INDUSTRIAL ENGINEERING
 COMPLETE MUNICIPAL AND INDUSTRIAL
 WELL AND PUMP SERVICE

PO Box 367
 846 South 13th St.
 Geneva, NE 68361-0367

Phone: (402) 759-3902
 Toll Free: (888) 496-3902
 Fax: (402) 759-4960

Driller's Log

Customer: Storm Lake, IA		Legal: Well #19	
Date Construction Started: 8/19/2009		GPS Reading: 42° 38' 01.2"	
Well Depth: 115'		Bore Hole: 36"	
Type of Plain Casing: Certa-Lok Plastic		Casing Dia.: 16"	
From: 0' To 75'			
Type of Perf. Casing: Stainless V-Wire		Casing Dia.: 16"	
Slot size: .070"	From: 75'	To 115'	
Sump From:		Type of Bottom: Stainless Steel	
Gravel From: Northern		Grade Size: #3	
Yards of Gravel: 7 Super sacks		Bags of Chunks: 2 Super sacks	
Bags of Powder: 48		Yards of Concrete: 14	
Stabilizers: 3	Well Development Time:		
Test Pump Results:		SWL:	
GPM from			
GPM from			
GPM from			
GPM from			



Sargent Drilling

INDUSTRIAL ENGINEERING COMPLETE MUNICIPAL AND INDUSTRIAL WELL AND PUMP SERVICE

PO Box 367
Geneva, NE 68361

846 S 13th St.

Phone: (402) 759-3902
1-888-496-3902

PUMP AND WELL INSTALLATION

Customer: City of Storm Lake
Date: 11-9-09
WELL: 19
Address: Storm Lake, IA
 42° 38' 1.6"
 Location: Southwest of WTP GPS Reading: 095° 14' 36.8"
 Dia.: 16" Depth: 117' 6" Static Level: 8' 3"
 Casing Material: SDR17 PVC
MOTOR OR GEAR DRIVE:
 Mfg.: US HP: 30
 Serial No.: H03V2BLF-L Frame: 286TPH
 Volts: 460 Phase: 3 RPM: 1775
 Clutch Bore: 1 1/4" NRR: Yes
 Bearings #'s: Upper: 6210-22 Lower: 7310-BEP
 Sub. Dia. N/A Length: N/A Wire Size: N/A
PUMP: Mfg.: SPC Dia.: 8"
 Column
 Depth of Setting: 90' Dia.: 8" Shaft: 1 1/2"
 Stainless Bowl Serial
 Shaft material: steel No.: GV09A136 Dia.: 11
 No. of
 Type: SA Stages: 2 Length: 38 1/2"
 Suction
 Impeller: 2 @ 9.00 & UF Dia.: None Length: N/A
 Strainer N/A Lubrication: Water
 Airline
MISCELLANEOUS: Length 90' Material: Plastic
 Water
 Does it work: Yes meter size: 8" Mfg.: Sensus
 Does it
 Material: Flanged/tube work: Yes Blow off Dia.: 4" FIP
 Dresser Sleeve Dia.: 8"

TEST DATA

Oriface 6 x 5 Inches Read	Flow Rate	Airline Reading	Water Level	Draw Down	Discharge Pressure	Specific Capacity
	699	31 1/2"	16' 3"	8'	55	87.4
	835	45"	18' 4"	10' 1"	45	83.5
	968	60 1/2"	20' 3"	12'	35	80.7
Static Level:	8' 3"					
Shut Off:	74 @ 8' 3"					
Pump Runs:	Smooth!					