WATER WELL RECORD	Form WWC-5	Division of Water Resources; App. No.			
1 LOCATION OF WATER WELL:	Fraction	Section Number Township Number Range Number			
County: Nemaha	NE 1/4 NE 1/4 NW 1/4				
Distance and direction from nearest town or ci		Global Positioning Systems (decimal degrees, min. of 4 digits			
located within city? 4 miles north of	Goff	Latitude: 39° 43' 31.2"			
2 WATER WELLOWNED.		Longitude: 095° 55' 54.9"			
2 WATER WELL OWNER: RR#, St. Address, Box # : Nemeha Co.	PLID #3	Elevation:			
		Datum:			
Sanaca KS	66538	Data Collection Method: Hand held			
	PLETED WELL3	./U ft.			
LOCATION	E1 (1) /0	Ω (2) Ω (2)			
		ft. (2) ft. (3) ft.			
SECTION BOX: WELL'S STATIC WA	Wall water was 231	.ft. below land surface measured on mo/day/yrl=21=2009ft. after2 hours pumping68.1 gpm			
	n: Well water was 233	ft. after4 hours pumping68,5 gpm			
WELL WATER TO B		ter supply 8 Air conditioning 11 Injection well			
WELL WATER TO B		r supply 9 <u>Dewatering</u> 12 Other (Specify below			
2 Irrigation 4 Inc	lustrial 7 Domestic (law	vn & garden) (10 Monitoring well)			
SWSE		Ţ,			
Was a chemical/bacter	riological sample submitted	to Department? YesX No; If yes, mo/day/yrs			
-	1-21-2009 W	Vater well disinfected? Yes .X No			
S					
5 TYPE OF CASING USED: 5 Wrought	Iron 8 Concrete ti	le CASING JOINTS: GluedX Clamped			
		cify below) Welded			
2 PVC 4 ABS 7 Fiberglass	S	Threaded			
Blank casing diameter in. to290.	ft., Diameter 5	in. to310 ft., Diameter5 in. to355ft lbs./ft. Wall thickness or guage No25."			
TYPE OF SCREEN OR PERFORATION MATE	in., Weight	lbs./ft. Wall thickness or guage No4.2			
1 Steel 3 Stainless Steel 5 Fiber		9 ABS 11 Other (Specify)			
2 Brass 4 Galvanized Steal 6 Cond		10 Asbestos-Cement 12 None used (open hole)			
SCREEN OR PERFORATION OPENINGS ARE		12 I voite used (open note)			
1 Continuous slot 3 Mill slot 5 Gauzed wrapped 7 Torch cut 9 Drilled holes 11 None (open hole)					
2 Louvered shutter 4 Key punched 6 Wire wrapped 8 Saw cut 10 Other (specify)					
SCREEN-PERFORATED INTERVALS: From 290 ft. to 300 ft., From 310 ft. to 340 ft.					
From.	355 ft. to370	ft., From ft. to ft.			
		ft., From203 ft. to370 ft.			
From.	ft. to	ft., From ft. to ft.			
6 CROUT MATERIAL: 1 Neat cement 2	Cement grout 3 Bentonit	e 4 Other			
Grout Intervals: From 0 ft. to 2	23 ft. From 184	ft. to 203 ft., From ft. to ft.			
What is the nearest source of possible contaminat	,	10. 10			
1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 13 Insecticide storage 16 Other (specify					
2 Sewer lines 5 Cess pool	8 Sewage lagoon 11 Fue	el storage 14 Abandoned water well below)			
3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage 15 Oil well/gas well					
Direction from well? West		nany feet?2400'			
FROM TO LITHOLOGIC	C LOG FRO	OM TO PLUGGING INTERVALS			
Log Attached					
7 CONTRACTOR'S OF LANDOWNER'S OF	EDTIFICATION: This	ster well week 1) constructed (2) reconstructed or (2) plussed			
7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) .1-19-2009 and this record is true to the best of my knowledge and belief.					
Kansas Water Well Contractor's License No	755 This Water Wall	Record was completed or mo/day/year) 17-2009			
under the business name of Sargent Drill		by (signature)			
INSTRUCTIONS: Use typewriter or ball point pen. PLEA	ASE PRESS FIRMLY and PRINT of	clearly. Please fill in blanks, underline or circle the correct answers. Send t			
three copies to Kansas Department of Health and Environme	nt, Bureau of Water, Geology Sec	tion, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telepho			
1 785-296-5522. Send one to WATER WELL OWN	ILL and rators one for your	r records. Fee of \$5.00 for each constructed well. Visit us			

## Sargent Drilling INDUSTRIAL ENGINEERING

## 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: Nemaha County RWD #3			
WELL ID: Test Well 09-1			
LOCATION:			
LATITUDE: 39° 43' 31.2"			
LONGITUDE: 095° 55' 54.9"			
FOOTAGES:			
DATE: 1-19-09 CL	DRILLED BY: CL		

SWL:

from feet	- to feet	
0	1	Topsoil
1	20	Tan clay and fine and medium sand layers
20	40	Yellow sandy clay and fine sand layers and cobbles
40	60	Fine sand and cobbles
60	80	Fine sand and limestone layers
80	90	Fine sand
90	100	Sandy yellow clay and limestone layers
100	120	Yellow and gray clay and limestone layers
120	140	Yellow clay and limestone layers
140	180	Yellow and blue sandy clay and limestone layers
180	200	Yellow and blue sandy clay
200	220	Fine and medium blue sand
220	240	Fine and medium gray sand
240	260	Fine sand and gray clay strips
260	280	Fine and medium sand
280	300	Fine, medium and coarse sand
300	340	Fine, medium and coarse sand and fine gravel
340	355	Tan clay
355	360	Fine, medium and coarse sand and fine gravel
360	380	Gray shale

RECEIVED

FEB 20 2009

**BUREAU OF WATER** 

Well Depth: 370' Bore Hole Dia: 10"

Plain casing: 5" PVC from 0' to 290', 300' to 310' and 340' to 355'

Perf. casing: 5" PVC from 290' to 300', 310' to 340' and 355' to 370' slot size: .020"

Gravel pack from 23' to 184' and from 203' to 370' Bentonite from 0' to 23' and from 184' to 203'

dh