

1 LOCATION OF WATER WELL: County: <u>Harvey</u>		Fraction <u>NE 1/4 NE 1/4 NE 1/4 SE 1/4</u>	Section Number <u>28</u>	Township No. <u>T 24 S</u>	Range Number <u>R 2</u> <input type="checkbox"/> E <input checked="" type="checkbox"/> W																																																												
2 WATER WELL OWNER: City of Wichita RR#, Street Address, Box #: <u>455 North Main St.</u> City, State, ZIP Code : <u>Wichita, KS 67202</u>			Global Positioning System (GPS) information: Latitude: <u>37° 56' 01.4"</u> (in decimal degrees) Longitude: <u>97° 21' 16.1"</u> (in decimal degrees) Elevation: <u>321</u> Datum: <input type="checkbox"/> WGS 84, <input checked="" type="checkbox"/> NAD 83, <input type="checkbox"/> NAD 27 DRL, 7/10/2012 Collection Method: <input checked="" type="checkbox"/> GPS unit (Make/Model: <u>Garmin</u>) <input type="checkbox"/> Digital Map/Photo, <input type="checkbox"/> Topographic Map, <input type="checkbox"/> Land Survey Est. Accuracy: <input type="checkbox"/> <3 m, <input type="checkbox"/> 3-5 m, <input type="checkbox"/> 5-15 m, <input type="checkbox"/> >15 m																																																														
3 LOCATE WELL WITH AN "X" IN SECTION BOX: N <table border="1" style="width: 100px; height: 100px; margin: 10px auto;"><tr><td style="width: 50px; height: 50px;">NW</td><td style="width: 50px; height: 50px;">NE</td></tr><tr><td style="width: 50px; height: 50px;">SW</td><td style="width: 50px; height: 50px;">SE</td></tr></table> S -----1 mile-----		NW	NE	SW	SE	4 DEPTH OF COMPLETED WELL <u>265</u> ft. Depth(s) Groundwater Encountered (1) <u>17.5</u> ft. (2) _____ ft. (3) _____ ft. WELL'S STATIC WATER LEVEL <u>17.5</u> ft. below land surface measured on mo/day/yr. <u>11/09/09</u> Pump test data: Well water was _____ ft. after _____ hours pumping _____ gpm EST. YIELD _____ gpm. Well water was _____ ft. after _____ hours pumping _____ gpm Bore Hole Diameter <u>6</u> in. to <u>280</u> ft., and _____ in. to _____ ft. WELL WATER TO BE USED AS: <input type="checkbox"/> Public water supply <input type="checkbox"/> Geothermal <input type="checkbox"/> Injection well <input type="checkbox"/> Domestic <input type="checkbox"/> Feedlot <input type="checkbox"/> Oil field water supply <input type="checkbox"/> Dewatering <input type="checkbox"/> Other (Specify below) <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="checkbox"/> Domestic-lawn & garden <input checked="" type="checkbox"/> Monitoring well Was a chemical/bacteriological sample submitted to Department? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, mo/day/yr sample was submitted _____ Water well disinfected? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																											
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SW	SE																																																																
5 TYPE OF CASING USED: <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other _____ CASING JOINTS: <input checked="" type="checkbox"/> XXXX <input type="checkbox"/> Clamped <input type="checkbox"/> Welded <input checked="" type="checkbox"/> Threaded Casing diameter <u>2</u> in. to <u>245</u> ft., Diameter _____ in. to _____ ft., Diameter _____ in. to _____ ft. Casing height above land surface <u>24</u> in., Weight <u>703</u> lbs./ft., Wall thickness or gauge No. <u>154</u> TYPE OF SCREEN OR PERFORATION MATERIAL: <input type="checkbox"/> Steel <input type="checkbox"/> Stainless Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other (Specify) _____ <input type="checkbox"/> Brass <input type="checkbox"/> Galvanized Steel <input type="checkbox"/> None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: <input type="checkbox"/> Continuous slot <input checked="" type="checkbox"/> Mill slot <input type="checkbox"/> Gauze wrapped <input type="checkbox"/> Torch cut <input type="checkbox"/> Drilled holes <input type="checkbox"/> None (open hole) <input type="checkbox"/> Louvered shutter <input type="checkbox"/> Key punched <input type="checkbox"/> Wire wrapped <input type="checkbox"/> Saw cut <input type="checkbox"/> Other (specify) _____ SCREEN-PERFORATED INTERVALS: From <u>245</u> ft. to <u>265</u> ft., From _____ ft. to _____ ft. From _____ ft. to _____ ft., From _____ ft. to _____ ft. GRAVEL PACK INTERVALS: From <u>235</u> ft. to <u>265</u> ft., From _____ ft. to _____ ft. From _____ ft. to _____ ft., From _____ ft. to _____ ft.																																																																	
6 GROUT MATERIAL: <input type="checkbox"/> Neat cement <input type="checkbox"/> Cement grout <input checked="" type="checkbox"/> Bentonite <input type="checkbox"/> Other _____ Grout Intervals: From <u>0</u> ft. to <u>235</u> ft., From _____ ft. to _____ ft., From _____ ft. to _____ ft. What is the nearest source of possible contamination: <input checked="" type="checkbox"/> Septic tank <input type="checkbox"/> Lateral lines <input type="checkbox"/> Pit privy <input type="checkbox"/> Livestock pens <input type="checkbox"/> Insecticide storage <input type="checkbox"/> Other (specify below) <input type="checkbox"/> Sewer lines <input type="checkbox"/> Cesspool <input type="checkbox"/> Sewage lagoon <input type="checkbox"/> Fuel storage <input type="checkbox"/> Abandoned water well <input type="checkbox"/> Watertight sewer lines <input type="checkbox"/> Seepage pit <input type="checkbox"/> Feedyard <input type="checkbox"/> Fertilizer storage <input type="checkbox"/> Oil well/gas well Direction from well _____ Distance from well <u>Over 1000 feet</u>																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th>FROM</th><th>TO</th><th>LITHOLOGIC LOG</th><th>FROM</th><th>TO</th><th>LITHO. LOG (cont.) or PLUGGING INTERVALS</th></tr></thead><tbody><tr><td> </td><td> </td><td>Log attached</td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr></tbody></table>						FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS			Log attached																																																			
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7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was <input checked="" type="checkbox"/> constructed, <input type="checkbox"/> reconstructed, or <input type="checkbox"/> plugged under my jurisdiction and was completed on (mo/day/year) <u>11/09/2009</u> and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. <u>755</u> This Water Well Record was completed on (mo/day/year) <u>11/16/2009</u> under the business name of <u>Sargent Drilling</u> by (signature) <u>[Signature]</u>																																																																	
INSTRUCTIONS: Use typewriter or ball point pen. <u>PLEASE PRESS FIRMLY</u> and <u>PRINT</u> clearly. Please fill in blanks and check the correct answers. Send three copies (white, blue, pink) to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5522. Send one copy to WATER WELL OWNER and retain one for your records. Include fee of \$5.00 for each constructed well. Visit us at http://www.kdheks.gov/waterwell/index.html .																																																																	

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 Wichita	
WELL ID: OB48D	
LOCATION: NE ¼ NE ¼ NE ¼ SE ¼, 28-T24S-R2W, Harvey Co., KS	
LATITUDE: 37° 56' 01.4"	
LONGITUDE: 097° 32' 16.1"	
FOOTAGES: 2524 feet from the South section line and 198 feet from the East section line.	
DATE: 11-9-09	DRILLED BY: CL

SWL:
PWL:

<u>from feet</u>	<u>- to feet</u>	
0	16	Topsoil and sticky clay
16	20	Fine, medium and coarse sand
20	35	Fine, medium and coarse sand and fine gravel
35	40	Blue and brown clay
40	43	Fine, medium and coarse sand
43	45	Clay
45	60	Fine, medium and coarse sand and fine gravel
60	65	Fine, medium and coarse sand
65	75	Clay
75	95	Fine, medium and coarse sand
95	97	Clay
97	110	Fine, medium and coarse sand
110	116	Clay
116	180	Fine, medium and coarse sand
180	210	Fine and medium sand
210	215	Tan clay
215	240	Fine, medium and coarse sand
240	265	Fine, medium and coarse sand and fine gravel
265	280	Shale

Well Depth: 265'
Bore Hole Dia: 6"

Plain casing: 245' of 2"
Perf. casing: 20' of 2"

slot size: .020"

Gravel pack from 235' to 265'
Bentonite from 0' to 235'