

WATER WELL RECORD Well #5 **Form WWC-5**

Division of Water Resources App. No.

1 LOCATION OF WATER WELL: County: Republic	Fraction SW 1/4 SE 1/4 NE 1/4 SW 1/4	Section Number 8	Township No. T 3 S	Range Number R 1 <input type="checkbox"/> E <input checked="" type="checkbox"/> W
Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here <input type="checkbox"/> 300' south and 550' west of intersection Liberty St. and Beach St. in Cuba, KS		Global Positioning System (GPS) information: Latitude: 39° 48' 09.1" (in decimal degrees) Longitude: 097° 27' 18.1" (in decimal degrees) Elevation: 1636' Datum: <input type="checkbox"/> WGS 84, <input checked="" type="checkbox"/> NAD 83, <input type="checkbox"/> NAD 27 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		
2 WATER WELL OWNER: City of Cuba RR#, Street Address, Box #: 313 Baird St. City, State, ZIP Code : Cuba, KS 66940				

3 LOCATE WELL WITH AN "X" IN SECTION BOX: N <table style="width: 100%; text-align: center; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; width: 25px; height: 25px;"></td> <td style="border: 1px solid black; width: 25px; height: 25px;"></td> <td style="border: 1px solid black; width: 25px; height: 25px;"></td> <td style="border: 1px solid black; width: 25px; height: 25px;"></td> </tr> <tr> <td style="border: 1px solid black; width: 25px; height: 25px;"></td> <td style="border: 1px solid black; width: 25px; height: 25px;"></td> <td style="border: 1px solid black; width: 25px; height: 25px;"></td> <td style="border: 1px solid black; width: 25px; height: 25px;"></td> </tr> </table> W E S -----1 mile-----									4 DEPTH OF COMPLETED WELL 221 ft. Depth(s) Groundwater Encountered (1) 143 ft. (2) ft. (3) ft. WELL'S STATIC WATER LEVEL 143 ft. below land surface measured on mo/day/yr. 11/30/11 Pump test data: Well water was 179' 6" ft. after 3 hours pumping 10 gpm EST. YIELD 10 gpm. Well water was 179' 6" ft. after 3 hours pumping 10 gpm Bore Hole Diameter 14.5 in. to 221 ft., and in. to ft. WELL WATER TO BE USED AS: <input checked="" 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 type="checkbox"/> Monitoring well Was a chemical/bacteriological sample submitted to Department? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, mo/day/yr sample was submitted. 01/12/2012 Water well disinfected? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

5 TYPE OF CASING USED: Steel PVC Other

CASING JOINTS: Glued Clamped Welded Threaded

Casing diameter 6 I.D. in. to 186 ft., Diameter 6 I.D. in. to 206-221 ft., Diameter in. to ft.
 Casing height above land surface 36 in., Weight 4.95 lbs./ft., Wall thickness or gauge No. 399"

TYPE OF SCREEN OR PERFORATION MATERIAL:
 Steel Stainless Steel PVC Other (Specify) _____
 Brass Galvanized Steel None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE:
 Continuous slot Mill slot Gauze wrapped Torch cut Drilled holes None (open hole)
 Louvered shutter Key punched Wire wrapped Saw cut Other (specify) _____

SCREEN-PERFORATED INTERVALS: From 186 ft. to 206 ft., From ft. to ft.
 From ft. to ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From 162 ft. to 221 ft., From ft. to ft.
 From ft. to ft., From ft. to ft.

6 GROUT MATERIAL: Neat cement Cement grout Bentonite Other

Grout Intervals: From 0 ft. to 30 ft., From 30 ft. to 162 ft., From ft. to ft.

What is the nearest source of possible contamination:
 Septic tank Lateral lines Pit privy Livestock pens Insecticide storage Other (specify below)
 Sewer lines Cesspool Sewage lagoon Fuel storage Abandoned water well
 Watertight sewer lines Seepage pit Feedyard Fertilizer storage Oil well/gas well

Direction from well East Distance from well 300'

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
		See attached			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo/day/year) 11/30/2011 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 755 This Water Well Record was completed on (mo/day/year) 02/02/2012 under the business name of Sargent Drilling by (signature) _____

INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT 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 785-296-5524. 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 Cuba, KS	
WELL ID: Well #5	
LOCATION: SW ¼ SE ¼ NE ¼ SW ¼, 8-T3N-R1W, Republic Co., NE	
LATITUDE: 39° 48' 09.1"	
LONGITUDE: 097° 27' 18.1"	
ELEVATION: 1636'	
FOOTAGES: 1351' from the South section line and 3157 feet from the East section line.	
DATE: 11-30-11	DRILLED BY: Scott

SWL:
 PWL

<u>from feet</u>	<u>- to feet</u>	
0	18	Topsoil and brown and tan clay
18	20	Yellow clay
20	40	Yellow and white clay with thin orange rock layers
40	45	Yellow and white clay with thin brown limestone layers
45	60	Black shale with limestone layers
60	100	Hard gray and black shale with thin limestone layers
100	120	Hard gray and black shale with limestone layers and orange and white rock layer
120	140	Hard gray and black shale
140	160	Hard gray shale with black shale strips
160	165	Gray shale
165	167	Very hard yellow rock
167	175	Gray shale
175	180	Medium hard white shale
180	186	White and gray shale
186	200	Fine sandstone
200	203	Fine sandstone
203	204	Yellow rocky layer
204	230	White with black shale

Well Depth: 221'
Bore Hole Dia: 14 1/2"

Plain casing: 186' of 6" PVC
Perf. casing: 40' of 6" PVC
Plain casing: 15' of 6" PVC

slot size: .032"

Neat cement grout from 0' to 30'
Bentonite grout from 30' to 162'
Gravel pack from 162' to 221'

dh