

## WATER WELL RECORD

## Form WWC-5

Division of Water Resources App. No.

23,993

<b>1 LOCATION OF WATER WELL:</b> County: SEWARD		Fraction ¼ SE ¼ SE ¼ NW ¼		Section Number 27	Township No. T 31 S	Range Number R 31 <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"/> . KISMET- 1/2 MILE NORTH, 1 MILE EAST, 7 MILES NORTH, 1 MILE EAST, 2660 FT. N. & 2788 FT. W				<b>Global Positioning System (GPS) information:</b> Latitude: ..... (in decimal degrees) Longitude: ..... (in decimal degrees) Elevation: ..... Datum: <input type="checkbox"/> WGS 84, <input type="checkbox"/> NAD 83, <input type="checkbox"/> NAD 27 Collection Method: <input type="checkbox"/> GPS unit (Make/Model: .....) <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														
<b>2 WATER WELL OWNER:</b> JOAN K. UNRUH RR#, Street Address, Box #: P O BOX 125 City, State, ZIP Code : COPELAND, KANSAS 67837																		
<b>3 LOCATE WELL WITH AN "X" IN SECTION BOX:</b> N <table border="1" style="width:100%; text-align: center; border-collapse: collapse;"> <tr> <td style="width:25%;">-- NW --</td> <td style="width:25%;">-- NE --</td> <td style="width:25%;">E</td> </tr> <tr> <td style="width:25%;">W</td> <td style="width:25%;"><b>X</b></td> <td style="width:25%;"></td> </tr> <tr> <td style="width:25%;">-- SW --</td> <td style="width:25%;">-- SE --</td> <td style="width:25%;"></td> </tr> <tr> <td colspan="2"></td> <td style="width:25%;">S</td> </tr> </table>  -----1 mile-----		-- NW --	-- NE --	E	W	<b>X</b>		-- SW --	-- SE --				S	<b>4 DEPTH OF COMPLETED WELL</b> ..... 510 ..... ft. Depth(s) Groundwater Encountered (1)..... ft. (2)..... ft. (3)..... ft. WELL'S STATIC WATER LEVEL..... 270 ..... ft. below land surface measured on mo/day/yr. 6-13-13 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 .30..... in. to .510..... 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 checked="" 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 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				
-- NW --	-- NE --	E																
W	<b>X</b>																	
-- SW --	-- SE --																	
		S																
<b>5 TYPE OF CASING USED:</b> <input checked="" type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other ..... CASING JOINTS: <input type="checkbox"/> Glued <input type="checkbox"/> Clamped <input checked="" type="checkbox"/> Welded <input type="checkbox"/> Threaded Casing diameter .16..... in. to .320..... ft., Diameter ..... in. to ..... ft., Diameter ..... in. to ..... ft. Casing height above land surface..... 12..... in., Weight 42.05..... lbs./ft., Wall thickness or gauge No. ....250..... TYPE OF SCREEN OR PERFORATION MATERIAL: <input checked="" type="checkbox"/> Steel <input type="checkbox"/> Stainless Steel <input 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 checked="" type="checkbox"/> Wire wrapped <input type="checkbox"/> Saw cut <input type="checkbox"/> Other (specify) ..... SCREEN-PERFORATED INTERVALS: From .320..... ft. to .400..... ft., From .440..... ft. to .510..... ft. From..... ft. to ..... ft., From..... ft. to ..... ft. GRAVEL PACK INTERVALS: From .20..... ft. to .510..... ft., From..... ft. to ..... ft. From..... ft. to ..... ft., From..... ft. to ..... ft.																		
<b>6 GROUT MATERIAL:</b> <input type="checkbox"/> Neat cement <input checked="" type="checkbox"/> Cement grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Other ..... Grout Intervals: From .0..... ft. to .20..... ft., From..... ft. to ..... ft., From..... ft. to ..... ft. What is the nearest source of possible contamination: <input 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 N/A Direction from well ..... Distance from well .....																		
FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS													
0'	320'	16" PLAIN CASING																
320'	400'	16" JOHNSON AGRI SCREEN																
400'	440'	16" PLAIN CASING																
440'	500'	16" JOHNSON AGRI SCREEN																
500'	510'	16" PERFORATED CASING																
		SEE ATTACHED LOG																
<b>7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION:</b> 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) 6-13-13..... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. .208..... This Water Well Record was completed on (mo/day/year) 6-14-13..... under the business name of ..MINTER-WILSON DRILLING CO., INC..... by (signature) .... <i>Don Keller</i> .....																		
<b>INSTRUCTIONS:</b> 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 785-296-5524. Send one copy to WATER WELL OWNER and retain one for your records. Include fee of \$5.00 for each <u>constructed</u> well. Visit us at <a href="http://www.kdheks.gov/waterwell/index.html">http://www.kdheks.gov/waterwell/index.html</a> .																		

TYLER WATER WELL, INC.

NAME           JEFF UNRUH  
COUNTY       SEWARD  
DATE           9-14-12

LOCATION: NW 1/4 27-31-31 - HWY. 83 & 190 JUNCTION - 8 MILES EAST, 2 MILES SOUTH, 2 MILES EAST, 1 MILE SOUTH, 1/2 MILE EAST & 1/2 MILE SOUTH

STATIC WATER LEVEL - APPROX. 280 FT.

## TEST #1

0' TO 20' - TOP SOIL & BROWN SANDY CLAY  
20' TO 40' - BROWN & WHITE CLAY - LT SAND  
40' TO 60' - FINE SAND - LITTLE CLAY  
60' TO 80' - SAND - LITTLE CLICHE & CLAY  
80' TO 100' - BROWN SANDY CLAY - LT CLICHE  
100' TO 120' - SAND - LITTLE CLAY  
120' TO 160' - SAND MEDIUM TO COARSE  
160' TO 170' - BROWN CLAY  
170' TO 180' - SAND - LITTLE CLAY  
180' TO 200' - SAND MEDIUM TO COARSE  
200' TO 230' - SAND - LITTLE CLAY  
230' TO 240' - CLAY  
240' TO 260' - SAND - LITTLE CLAY  
260' TO 280' - MEDIUM TO COARSE SAND  
280' TO 295' - SAND MEDIUM - LITTLE CLAY  
295' TO 300' - CLICHE - HARD  
300' TO 320' - YELLOW CLAY - FEW STREAKS OF SAND  
320' TO 360' - GRAY CLAY - STREAKS OF SAND  
360' TO 400' - MEDIUM SAND - LT CLAY & CLICHE  
400' TO 420' - CLICHE - LITTLE CLAY  
420' TO 440' - BROWN CLAY - LITTLE CLICHE  
440' TO 460' - CLAY & SAND STREAKS  
460' TO 480' - BROWN ROCK SOAPSTONE FACTURE  
480' TO 497' - YELLOW SANDSTONE  
497' TO 520' - RED BED