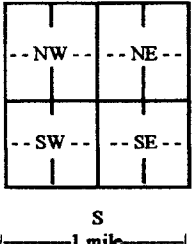


**WATER WELL RECORD**

Form WWC-5 - *DR2* Division of Water Resources App. No.

MW-13R

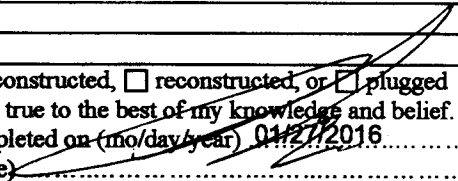
<b>1 LOCATION OF WATER WELL:</b> County: <b>Butler</b>	Fraction $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$	Section Number <b>35</b>	Township No. T <b>25</b> S	Range Number R <b>5</b> <input checked="" type="checkbox"/> E <input type="checkbox"/> W
Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here <input type="checkbox"/> <b>1802 N. Star Street, El Dorado, KS</b>		Global Positioning System (GPS) information: Latitude: <b>37.838221</b> (in decimal degrees) Longitude: <b>96.855542</b> (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: <b>Google Earth</b> .....) <input type="checkbox"/> Digital Map/Photo, <input type="checkbox"/> Topographic Map, <input type="checkbox"/> Land Survey Est. Accuracy: <input type="checkbox"/> <3 m, <input checked="" type="checkbox"/> 3-5 m, <input type="checkbox"/> 5-15 m, <input type="checkbox"/> >15 m		
<b>2 WATER WELL OWNER:</b> RR#, Street Address, Box #: <b>Union Tank Car Company 175 W. Jackson Blvd.</b> City, State, ZIP Code : <b>Chicago, IL 60604</b>				

<b>3 LOCATE WELL WITH AN "X" IN SECTION BOX:</b> N  W E S 1 mile	<b>4 DEPTH OF COMPLETED WELL 22.0'</b> ..... ft. Depth(s) Groundwater Encountered (1)..... ft. (2)..... ft. (3)..... ft. WELL'S STATIC WATER LEVEL <b>5.5'</b> ..... ft. below land surface measured on mo/day/yr. <b>8/1/15</b> ..... 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 <b>8.50"</b> in. to <b>19.0'</b> 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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**5 TYPE OF CASING USED:**  Steel  PVC  Other .....  
CASING JOINTS:  Glued  Clamped  Welded  Threaded  
Casing diameter **2.0'** in. to **9.0'** ft., Diameter ..... in. to ..... ft., Diameter ..... in. to ..... ft.  
Casing height above land surface **3.0'** in., Weight ..... lbs./ft., Wall thickness or gauge No. **Sch. 40**  
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 **9.0'** ft. to **19.0'** ft., From ..... ft. to ..... ft.  
From ..... ft. to ..... ft., From ..... ft. to ..... ft.  
GRAVEL PACK INTERVALS: From **7.0'** ft. to **19.0'** 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 **2.0'** ft., From **2.0'** ft. to **7.0'** 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 ..... Distance from well .....

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

**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) **07/22/2015** ..... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. **606** ..... This Water Well Record was completed on (mo/day/year) **01/27/2016** ..... under the business name of **PSA Environmental Services, LLC** 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 785-296-5522. 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>.



**ROUX ASSOCIATES, INC.**  
Environmental Consulting  
& Management

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Oak Brook, IL 60523  
Telephone: (630) 572-3300  
Fax: (630) 572-8841

## WELL CONSTRUCTION LOG

WELL NO. <b>W-13R</b>		NORTHING <b>1743164.86</b>		EASTING <b>1787167.92</b>	
PROJECT NO./NAME <b>2230.00011006 / UTLX - El Dorado</b>				LOCATION <b>1802 N. Star Street</b>	
APPROVED BY <b>T. Zei</b>		LOGGED BY <b>A. Trzinski</b>		GEOGRAPHIC AREA <b>Former Pond Area</b>	
DRILLING CONTRACTOR/DRILLER <b>PSA Environmental /</b>				GEOGRAPHIC AREA <b>Former Pond Area</b>	
DRILL BIT DIAMETER/TYPE <b>2 inch / Drive Sampler</b>		BOREHOLE DIAMETER <b>2-inches</b>		DRILLING EQUIPMENT/METHOD <b>Geoprobe 6620 / Geoprobe</b>	SAMPLING METHOD <b>2" Macro-Core</b>
CASING MAT./DIA. <b>PVC / 2-inch</b>		SCREEN TYPE <b>Slotted</b>		MATERIAL <b>PVC</b>	TOTAL LENGTH <b>10.0ft</b>
ELEVATION OF: (Feet)		GROUND SURFACE	TOP OF WELL CASING n/a	TOP & BOTTOM SCREEN /	START-FINISH DATE <b>7/22/15-7/22/15</b>
				DIA. <b>2-inch</b>	SLOT SIZE <b>10-Slot</b>
				GRAVEL PACK SIZES <b>#4</b>	

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
<div style="position: relative; height: 100%;"> <div style="position: absolute; top: 0; left: 0; right: 0; border-bottom: 1px dashed black; height: 10px;"></div> <div style="position: absolute; top: 50%; left: 0; right: 0; border-bottom: 1px dashed black; height: 10px;"></div> <div style="position: absolute; top: 90%; left: 0; right: 0; border-bottom: 1px dashed black; height: 10px;"></div> </div>	<p>The diagram shows a well casing with a steel stick up well cover and an expandable well cap at the top. The casing is labeled 'Cement'. The well is filled with 'Fill from soil blending' (indicated by a brick pattern) from the surface down to approximately 10 feet. Below this is 'Native soils' (indicated by a diagonal hatched pattern). A dashed line indicates the 'GROUND WATER LEVEL 7/22/2015' at approximately 5 feet depth.</p>	<p>Fill from soil blending</p> <p>Native soils</p>			
5					5
10					10
15					15

BORING/FEET UTLX - EL DORADO\_2.GPJ ROUX.GDT 10/21/15