

WATER WELL RECORD

Form WWC-5

Division of Water Resources; App. No.

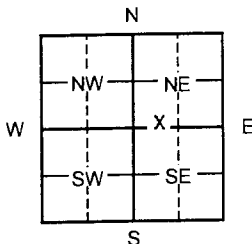
1 LOCATION OF WATER WELL:	Fraction	Section Number	Township Number	Range Number
County: Sedgwick	SE ¼ SW ¼ NE ¼	20	T 27 S	R 1 E

Distance and direction from nearest town or city street address of well if located within city? **1st St. N. & Waco St., Wichita KS**

Global Positioning System (decimal degrees, min. of 4 digits)
 Latitude: N 37.68758°
 Longitude: W 97.34135°
 Elevation: RIM: 1303.33; TOC: 1302.88
 Datum: WGS84
 Data Collection Method: legal survey

2 WATER WELL OWNER: Union Pacific Railroad Co.
 RR#, St. Address, Box # : **1400 Douglas-Stop 1030**
 City, State, ZIP Code : **Omaha, NE 68179**

3 LOCATE WELL'S LOCATON WITH AN "X" IN SECTION BOX:



4 DEPTH OF COMPLETED WELL 26.76 ft.

BMW1

Depth(s) Groundwater Encountered 1 _____ ft. 2 _____ ft. 3 _____ ft.

WELL'S STATIC WATER LEVEL **20.69** ft. below land surface measured on mo/day/yr **11/11/14**

Pump test data: Well water was _____ ft. after _____ hours pumping _____ gpm

Est. Yield _____ gpm: Well water was _____ ft. after _____ hours pumping _____ gpm

WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well

1 Domestic 3 Feed lot 6 Oil field water supply 9 Dewatering 12 Other (Specify below)

2 Irrigation 4 Industrial 7 Domestic (lawn & garden) **10** Monitoring well

Was a chemical/bacteriological sample submitted to Department? Yes _____ No **X**; If yes, mo/day/yr Sample was submitted _____

Water Well Disinfected? Yes _____ No **X**

5 TYPE OF CASING USED:

1 Steel	3 RMP (SR)	6 Asbestos-Cement	9 Other (specify below)
2 PVC	4 ABS	7 Fiberglass	

CASING JOINTS: Glued _____ Clamped _____
 Welded _____ Threaded **X**

Blank casing diameter **2** in. to **16.76** ft., Dia _____ in. to _____ ft., Dia _____ in. to _____ ft.

Casing height below land surface **0.45** ft., Weight _____ lbs./ft. Wall thickness or gauge No. _____

TYPE OF SCREEN OR PERFORATION MATERIAL:

1 Steel	3 Stainless steel	5 Fiberglass	7 PVC	9 ABS	11 Other (specify)
2 Brass	4 Galvanized steel	6 Concrete tile	8 RM (SR)	10 Asbestos-Cement	12 None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE:

1 Continuous slot	3 Mill slot	5 Gauze 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 **16.76** ft. to **26.76** ft. From _____ ft. to _____ ft.

GRAVEL PACK INTERVALS: From **15** ft. to **27.21** ft. From _____ ft. to _____ ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout **3** Bentonite **4** Other **Concrete: 0-1'**

Grout Intervals From **1** ft. to **15** ft. From _____ ft. to _____ ft. From _____ ft. to _____ ft.

What is the nearest source of possible contamination:

1 Septic tank	4 Lateral lines	7 Pit privy	10 Livestock pens	13 Insecticide Storage	16 Other (specify below)
2 Sewer lines	5 Cess pool	8 Sewage lagoon	11 Fuel storage	14 Abandoned water well	
3 Watertight sewer lines	6 Seepage pit	9 Feedyard	12 Fertilizer storage	15 Oil well/ gas well	

Direction from well? **N** How many feet? **~40'**

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	3	Dark brown topsoil w/ fill			
3	5	Dark brown silty clay w/ trace gravel			
5	8	Dark gray clay w/ Fe staining			
8	10	Light brown sandy silt w/ trace clay & Fe staining			
10	15	Light brown fine silty sand, coarser w/ Depth			
15	20	Tan fine to medium sand			
20	27.21	Dark gray sand w/ coarse gravel			

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) **11/10/14** and this record is true to the best of my knowledge and belief.

Kansas Water Well Contractor's License No. **757**. This Water Well Record was completed on (mo/day/year) **12/4/14** under the business name of **Larsen & Associates, Inc.** by (signature) _____

INSTRUCTIONS: Please fill in blanks or circle the correct answers. Send top three copies 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 to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well. Visit us at <http://www.kdheks.gov/waterwell>.

TRITERRA LAND SERVICES

KCS Copy

P.O. Box 546
Clearwater, Kansas 67026
Cell (316) 648-3617 Fax (620) 584-4371
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SURVEYING OF MONITORING WELLS BUILDER'S INC. WICHITA, KANSAS

The above site is located in Section 20, Township 27 South, Range 1 East of the Sixth Principal Meridian, Sedgwick County, Kansas. The Southeast corner of Section 20 was assigned coordinates of 00.00 North and 00.00 West.

The vertical control was a USGS benchmark located northeast of the intersection of McClean Blvd and Douglas Ave, about 170 feet southeast of the east corner of the Ben McClean Memorial, about 125 feet northeast of the Chisholm Trail Memorial, and about 90 feet east of the Ackerman Island Memorial, a brass disk set in the top of a concrete monument projecting 1 foot above the ground. Elevation 1304.12' MSL. The control point is a chiseled 'X' on the back of curb in the alley, adjacent to fire hydrant at the northeast corner of the property.

The Latitude and Longitude were recorded from a GPS unit. The site is located on the 7.5' quad map titled "Wichita East".

ID	NORTH	WEST	LATITUDE	LONGITUDE	ELEVATION
SE CORNER 20-27S-1E	00.00	00.00			
CP	3255.54	1649.73	37.68770	97.34132	1303.35
BMW-1 NW SE SW NE	3204.44	1655.70	37.68758	97.34135	RIM 1303.33 TOC 1302.88
BMW-2 NW SE SW NE	3135.27	1776.33	37.68741	97.34175	RIM 1304.27 TOC 1303.92
BMW-3 NE SE SW NE	3149.11	1610.36	37.68741	97.34122	RIM 1303.63 TOC 1303.31
BMW-4 NE SE SW NE	3267.08	1608.09	37.68775	97.34113	RIM 1303.45 TOC 1303.10

