

County: Douglas Fraction NE NE SE SW Sec. 19 T 12 S R 20 EW

**CORRECTION(S) TO WATER WELL COMPLETION RECORD (WWC-5)**  
(to rectify lacking or incorrect information)

Owner: ELR, LLC

Location was listed as:

Section-Township-Range: 19-12-20 E

Fraction (1/4 1/4 1/4): NW SW SE

Location changed to:

19-12-20 E

NE NE SE SW

Other changes: Initial statements: No Datum recorded

Changed to: Datum established as WGS 84

Comments: \_\_\_\_\_

Verification method: Latitude & longitude, wellsite address & city street map, and mapping tool on KGS website.

initials: DRP date: 2/16/2016

Submitted by: Kansas Geological Survey, Data Resources Library, 1930 Constant Ave., Lawrence, KS 660473726  
to: Kansas Dept of Health & Environment, Bureau of Water, 1000 SW Jackson, Suite 420, Topeka, KS 66612-1367.

**WATER WELL RECORD**

**Form WWC-5**

Division of Water Resources App. No.

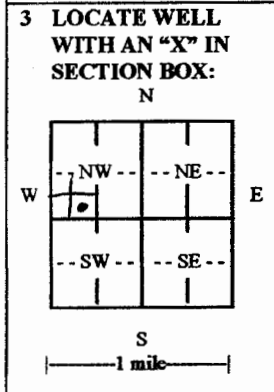
MW-11

<b>1 LOCATION OF WATER WELL:</b> County: <b>Douglas</b>	Fraction <b>NW 1/4 SW 1/4 SE 1/4 1/4</b>	Section Number <b>19</b>	Township No. <b>T 12 S</b>	Range Number <b>R 20</b> <input checked="" type="checkbox"/> E <input type="checkbox"/> W
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Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here   
**1010 N. 3rd Street, Lawrence, KS**

**Global Positioning System (GPS) information:**  
Latitude: **38.988978** (in decimal degrees)  
Longitude: **95.232932** (in decimal degrees)  
Elevation: \_\_\_\_\_  
Datum:  WGS 84,  NAD 83,  NAD 27  
Collection Method:  
 GPS unit (Make/Model: **Google Earth**)  
 Digital Map/Photo,  Topographic Map,  Land Survey  
Est. Accuracy:  <3 m,  3-5 m,  5-15 m,  >15 m

**2 WATER WELL OWNER:** **ELR, LLC**  
RR#, Street Address, Box #: **5590 Havana Street**  
City, State, ZIP Code: **Denver, CO 80239**



**4 DEPTH OF COMPLETED WELL 15.0'** ft.

Depth(s) Groundwater Encountered (1) \_\_\_\_\_ ft. (2) \_\_\_\_\_ ft. (3) \_\_\_\_\_ ft.  
WELL'S STATIC WATER LEVEL **7.5** ft. below land surface measured on mo/day/yr. **8/21/15**

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 **8.50"** in. to **15.0'** ft., and \_\_\_\_\_ in. to \_\_\_\_\_ ft.

WELL WATER TO BE USED AS:  Public water supply  Geothermal  Injection well  
 Domestic  Feedlot  Oil field water supply  Dewatering  Other (Specify below)  
 Irrigation  Industrial  Domestic-lawn & garden  Monitoring well  Vapor Ext. Well

Was a chemical/bacteriological sample submitted to Department?  Yes  No  
If yes, mo/day/yr sample was submitted \_\_\_\_\_  
Water well disinfected?  Yes  No

**5 TYPE OF CASING USED:**  Steel  PVC  Other \_\_\_\_\_  
CASING JOINTS:  Glued  Clamped  Welded  Threaded  
Casing diameter **4.0"** in. to **5.0'** ft., Diameter \_\_\_\_\_ in. to \_\_\_\_\_ ft., Diameter \_\_\_\_\_ in. to \_\_\_\_\_ ft.  
Casing height above land surface **Flush** 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 **5.0'** ft. to **15.0'** ft., From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
From \_\_\_\_\_ ft. to \_\_\_\_\_ ft., From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

GRAVEL PACK INTERVALS: From **3.0'** ft. to **15.0'** ft., From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
From \_\_\_\_\_ ft. to \_\_\_\_\_ ft., From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

**6 GROUT MATERIAL:**  Neat cement  Cement grout  Bentonite  Other **Concrete**

Grout Intervals: From **0** ft. to **1.0'** ft., From **1.0'** ft. to **3.0'** 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) **07/27/2015**... 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) **10/21/2015**  
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>.

Project: Lawrence Stop 2 Shop  
 Location: 1010 N 3rd Street Lawrence, KS

Owner: CST Brands  
 EMR Proj. No: E239-001

Boring No: SB-8  
 Monitoring Well No: MW-11

Date Drilled: May 22, 2015  
 Total Depth: 15'  
 Hole Diameter: \_\_\_\_\_  
 Elev. G.L.: TOC: \_\_\_\_\_  
 Water elev: Initial: \_\_\_\_\_ Static: \_\_\_\_\_

Screen Dia: \_\_\_\_\_  
 Length: \_\_\_\_\_  
 Slot Size: \_\_\_\_\_  
 Casing Dia: \_\_\_\_\_  
 Length: \_\_\_\_\_  
 Type: \_\_\_\_\_

Drilling Co: PSA  
 Method: Geoprobe  
 Driller: Rober Tieman  
 Geologist: Kaitlin Adkisson  
 Sampling Method(s): Continuous  
 Analysis Equip: MiniRae 2000

Sample Depth	Headspace (ppm)	Depth (feet)	Graph Symbol	Lithologic Description <sup>2</sup>	Observations/Remarks <sup>3</sup>														
		2		0'-1' No Recovery	GP-6620 Drill Rig														
		4		1'-3' Brownish Red silty clay															
5'	596.0	6		3'-5' Dark gray clay, hard, with odor 5'-5.5' Red clay															
		8		5.5'-7' Gray silt, mild odor															
10'	1885.0	10		7'-9' Dark gray clay with odor 9'-10' Gray silt with odor	<table border="1"> <tr><th colspan="2">Legend</th></tr> <tr><td></td><td>Casing</td></tr> <tr><td></td><td>Screen</td></tr> <tr><td></td><td>Grout</td></tr> <tr><td></td><td>Sand</td></tr> <tr><td></td><td>Bentonite</td></tr> <tr><td></td><td>Concrete</td></tr> </table>	Legend			Casing		Screen		Grout		Sand		Bentonite		Concrete
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	Concrete																		
13.5'	1946.0	12	10'-12.5' Gray silty clay, very moist, odor																
		14	12.5'-14' Tan silt, mild odor																
		16	14'-15' no recovery																
		18																	
		20																	
		22	Total Depth = 15.0'																
		24																	
		26																	
		28																	
		30																	

Well logged by Kaitlin Adkisson, Project Geologist  
 EMR Infrastructure and Environment, Lawrence, Kansas (785) 842-9013