

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

County: Seward

Location listed as:

Location changed to:

Section-Township-Range: None Given

21-34S-32W

Fraction (1/4 1/4 1/4): _____

SW NE SE NW

Other changes: Initial statements: _____

Changed to: _____

Comments: _____

verification method: Latitude & longitude, KGS' "LEO" conversion tool,
other wells for same owner nearby, and mapping tool & aerial photos
on KGS website. initials: ORL date: 12/14/2009

submitted by: Kansas Geological Survey, Data Resources Library, 1930 Constant Ave., Lawrence, KS 66047-3726
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.

1 LOCATION OF WATER WELL: County: Seward	Fraction $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$	Section Number	Township No. T S	Range Number R <input 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"/> .		Global Positioning System (GPS) information: Latitude: <u>37.04.66.0</u> (in decimal degrees) Longitude: <u>100.48.40.3</u> (in decimal degrees) Elevation: <u>2.77.9</u> Datum: <input checked="" type="checkbox"/> WGS 84, <input type="checkbox"/> NAD 83, <input type="checkbox"/> NAD 27 Collection Method: <input checked="" type="checkbox"/> GPS unit (Make/Model: <u>Garmin GPSmap60</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: <u>Star Development</u> RR#, Street Address, Box #: City, State, ZIP Code : <u>Liberal, KS 67901</u>				

<p>3 LOCATE WELL WITH AN "X" IN SECTION BOX:</p> <p style="text-align: center;">N</p> <table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="width: 25px; text-align: center;">W</td> <td style="width: 40px; height: 40px; border: 1px solid black; text-align: center;">NW</td> <td style="width: 40px; height: 40px; border: 1px solid black; text-align: center;">NE</td> <td style="width: 25px; text-align: center;">E</td> </tr> <tr> <td></td> <td style="border: 1px solid black; text-align: center;">SW</td> <td style="border: 1px solid black; text-align: center;">SE</td> <td></td> </tr> </table> <p style="text-align: center;">S</p> <p style="text-align: center;">-----1 mile-----</p>	W	NW	NE	E		SW	SE		<p>4 DEPTH OF COMPLETED WELL <u>310</u> ft.</p> <p>Depth(s) Groundwater Encountered (1)..... ft. (2)..... ft. (3)..... ft. WELL'S STATIC WATER LEVEL <u>190</u> ft. below land surface measured on mo/day/yr. <u>8/6/09</u> Pump test data: Well water was <u>190</u> ft. after <u>1</u> hours pumping. <u>30</u> gpm EST. YIELD. <u>50</u> gpm. Well water was..... ft. after..... hours pumping..... gpm Bore Hole Diameter <u>8 3/4</u> in. to <u>310</u> 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 checked="" 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, mo/day/yr sample was submitted..... Water well disinfected? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
W	NW	NE	E						
	SW	SE							

5 TYPE OF CASING USED: Steel PVC Other

CASING JOINTS: Glued Clamped Welded Threaded

Casing diameter 5 in. to 270 ft., Diameter..... in. to..... ft., Diameter..... in. to..... ft.
 Casing height above land surface 18 in., Weight..... lbs./ft., Wall thickness or gauge No. 200#

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 270 ft. to 310 ft., From..... ft. to..... ft.
 From..... ft. to..... ft., From..... ft. to..... ft.

GRAVEL PACK INTERVALS: From 20 ft. to 310 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 4 ft. to 20 ft., From..... ft. to..... ft., From..... ft. to..... 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 NE Distance from well 150 feet

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	17	sand			
17	25	tan clay			
25	32	sand			
32	90	brown clay			
90	115	sandy brown clay			
115	310	sand and gravel / streaks of clay			

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) 8/7/2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 101. This Water Well Record was completed on (mo/day/year) 8/7/2009 under the business name of Bartel Well Drilling, Inc by (signature) [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>.