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

Westar Energy Geothermal Well Field

County: Douglas

Location listed as:	**Location changed to:**
Section-Township-Range: 12-13-19E	7-13-20E
Fraction (¼ ¼ ¼): NW SE SE	S2 SE SE NE

Other changes: Initial statements: use not specified

Changed to: use of well: Geothermal

Comments: address of well placed in different PLSS than reported.

verification method: call to driller, KGS mapping program aerial photos and address of well.

initials: DL date: 11/6/2008

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: Douglas | Fraction: NW ¼ SE ¼ SE ¼ | Section Number: 12 | Township Number: T 13 S | Range Number: R 19 E/W

Distance and direction from nearest town or city street address of well if located within city? 900 E 27th St. Lawrence, KS. 66046

Global Positioning Systems (decimal degrees, min. of 4 digits)
Latitude:
Longitude:
Elevation:
Datum:
Data Collection Method:

2 WATER WELL OWNER: Westar Energy Lawrence Center
RR#, St. Address, Box # : 900 E 27th Street
City, State, ZIP Code : Lawrence, KS. 66046

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: N / W / E / S — NW, NE, SW, SE (X in SE)

4 DEPTH OF COMPLETED WELL 200 ft. 40-200' bores

Depth(s) Groundwater Encountered (1) 57-147 ft. (2) .... ft. (3) .... ft.
WELL'S STATIC WATER LEVEL 50 ft. below land surface measured on mo/day/yr ....
Pump test data: Well water was .... ft. after .... hours pumping .... gpm
Est. Yield 20 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 Feedlot 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/yrs Sample was submitted .... Water well disinfected? Yes .... No X
Grouted with Chlorinated Water

5 TYPE OF CASING USED: 1 Steel 2 PVC 3 RMP (SR) 4 ABS 5 Wrought Iron 6 Asbestos-Cement 7 Fiberglass 8 Concrete tile (9) Other (specify below) H.D. Polyethylene
CASING JOINTS: Glued .... Clamped .... Welded fusion .... Threaded ....

Blank casing diameter 1" in. to 200 ft., Diameter .... in. to .... ft., Diameter .... in. to .... ft.
Casing height ~~above~~ below land surface 48 in., Weight SDR11 lbs./ft. Wall thickness or guage No. 160 PSI

TYPE OF SCREEN OR PERFORATION MATERIAL: None
1 Steel 3 Stainless Steel 5 Fiberglass 7 PVC 9 ABS 11 Other (Specify) ....
2 Brass 4 Galvanized Steal 6 Concrete tile 8 RM (SR) 10 Asbestos-Cement 12 None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE: None
1 Continuous slot 3 Mill slot 5 Gauzed 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 .... ft. to .... ft., From .... ft. to .... ft.
From .... ft. to .... ft., From .... ft. to .... ft.
GRAVEL PACK INTERVALS: From .... ft. to .... ft., From .... ft. to .... ft.
From .... ft. to .... ft., From .... ft. to .... ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout (3) Bentonite 4 Other ....
Grout Intervals: From 200 ft. to 3 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? .... How many feet? ....

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	14	Soil + Clay 125-132 Shale			
14	18	Sandstone 132-147 Sandstone			
18	30	Shale 147-152 Shale			40-200' Bores
30	36	Sandstone 152-155 Lime, Pebbles			
36	57	Shale 155-158 Lime			
57	92	Sandstone 158-172 Shale			
92	97	Shale 172-177 Lime	200	3	High Solids Bentonite
97	102	Sandstone 177-194 Shale			
102	105	Limestone 194-200 Lime			
105	125	Sandstone			

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) 9-3-08 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 561 This Water Well Record was completed on (mo/day/year) 9-3-08 under the business name of [signature] by (signature) Evans Energy Development

INSTRUCTIONS: Use typewriter or ball point pen. *PLEASE PRESS FIRMLY* and *PRINT* clearly. Please fill in blanks, underline 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/index.html.

KSA 82a-1212