CORRECTION(S) TO WATER WELL RECORD (WWC-5)

(to rectify lacking or incorrect information)

County: McPherson

Location listed as:	**Location changed to:**
Section-Township-Range: 4-21S-3W	9-21S-3W
Fraction (¼ ¼ ¼): SW SE NE	E2 E2 SE

Other changes: Initial statements: _____

Changed to: _____

Comments: Latitude: 38.23593° N., Longitude: 97.6476° W.

verification method: Letter and corrections from KCC, lat./long.

initials: DRL date: 11/28/2005

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.

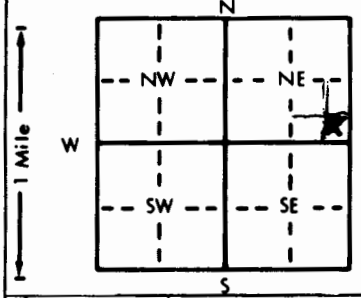
WATER WELL RECORD Form WWC-5 KSA 82a-1212 (Well* ELY 15-02)

1 LOCATION OF WATER WELL: County: McPherson | Fraction: SW ¼ SE ¼ NE ¼ | Section Number: 4 | Township Number: T 21 S | Range Number: R 3 E/W

Distance and direction from nearest town or city street address of well if located within city?
1/4 WEST of Elyria Ks. to 16th Ave then 2 miles S. Then 1 WEST on Chisolm Rd 1/2S.

2 WATER WELL OWNER: KANSAS CORPORATION COMMISSION District #2 on 15th Ave Well
RR#, St. Address, Box # : 130 South MARKET ST. Rm. 2125
City, State, ZIP Code : Wichita, KS 67202-3802
Board of Agriculture, Division of Water Resources Application Number: on W. side

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



4 DEPTH OF COMPLETED WELL 127 ft. ELEVATION:
Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft.
WELL'S STATIC WATER LEVEL 23.4 ft. below land surface measured on mo/day/yr
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 7 5/8 in. to 136 ft., and in. to ft.
WELL WATER TO BE USED AS: 1 Domestic 2 Irrigation 3 Feedlot 4 Industrial 5 Public water supply 6 Oil field water supply 7 Lawn and garden only 8 Air conditioning 9 Dewatering 10 Monitoring well 11 Injection well 12 Other (Specify below)
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 BLANK 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)
CASING JOINTS: Glued Clamped Welded Threaded X
Blank casing diameter 2" in. to 117 ft., Dia in. to ft., Dia in. to ft.
Casing height above land surface 36 in., weight lbs./ft. Wall thickness or gauge No. Sch 40

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

SCREEN OR PERFORATION OPENINGS ARE: 1 Continuous slot 2 Louvered shutter 3 Mill slot .010 4 Key punched 5 Gauzed wrapped 6 Wire wrapped 7 Torch cut 8 Saw cut 9 Drilled holes 10 Other (specify) 11 None (open hole)

SCREEN-PERFORATED INTERVALS: From 117 ft. to 127 ft., From ft. to ft.
From ft. to ft., From ft. to ft.
GRAVEL PACK INTERVALS: From 136 ft. to 111 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 1 Bucket of ½" pellets
Grout Intervals: From 111 ft. to 106 ft., From 106 ft. to 3 ft., From ft. to ft.

What is the nearest source of possible contamination:
1 Septic tank 2 Sewer lines 3 Watertight sewer lines 4 Lateral lines 5 Cess pool 6 Seepage pit 7 Pit privy 8 Sewage lagoon 9 Feedyard 10 Livestock pens 11 Fuel storage 12 Fertilizer storage 13 Insecticide storage 14 Abandoned water well 15 Oil well/Gas well 16 Other (specify below) Crop Field
Direction from well? 999 How many feet? 999

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0"	12'	CLAY BRN, SILTY, PLASTIC, ORGANICS			
12'	19'	SILT, MED. BRN. TRACE of ORGANICS, CLAYEY SOFT.			
19'	29'	SANDY SILT, LT. BRN. VERY FINE SAND, SOFT.			
29'	34'	SAND, BUFF, VERY FINE TO COARSE GRAINED, FINING UPWARD, SUB ANGULAR TO SUB ROUNDED GRAINS.			
34'	44'	SAND, BUFF FINE TO MED. TRACE of COARSE, FAIR SORTING SUB ANGULAR TO SUB ROUNDED.			
44'	49'	SAND, BUFF, MED. TO COARSE GRAINED, TRACE of FINE, WELL SORTED, SUB ROUNDED TO SUB ANGULAR.			
49'	50'	SAND, BUFF, COARSE W/ TRACE MED. AND LESS FINES			
50'	54'	SUB ANGULAR TO SUB ROUNDED, WELL SORTED, INTERBEDDED THIN WHITE CLAY			
54'	58'	AS ABOVE W/ LARGER GRAINS (FINE GRAVEL) AND MORE CLAY			
58'	77'	SAND, BUFF, MED. GRAINED, ROUNDED TO SUB ROUNDED, TRACE WHITE CLAY, TRACE TO MODERATE AMOUNT of COARSE SUB ANGULAR GRAINS LESS CLAY			

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) 223-02 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 665 This Water Well Record was completed on (mo/day/yr) 10-2-02
under the business name of Pratt Well Environmental by (signature) Steven Eyl

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, Topeka, Kansas 66620-0001. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY T R E/W SEC. ¼ ¼ ¼ Depth

WATER WELL RECORD Form WWC-5 KSA 82a-1212

1 LOCATION OF WATER WELL:	Fraction	Section Number	Township Number	Range Number
County:	¼ ¼ ¼		T S	R E/W

Distance and direction from nearest town or city street address of well if located within city?

2 WATER WELL OWNER: PAGE #2 (WELL # ELY 15-02)

RR#, St. Address, Box # :

City, State, ZIP Code :

Board of Agriculture, Division of Water Resources Application Number:

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

N / NW / NE / W / E / SW / SE / S — 1 Mile

4 DEPTH OF COMPLETED WELL. . . . . ft. ELEVATION: . . . . .

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

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

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 . . . . . in. to . . . . . ft., and . . . . . in. to . . . . . ft.

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 Lawn and garden only 10 Monitoring 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 BLANK CASING USED: 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued . . . . . Clamped . . . . .
1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Welded . . . . .
2 PVC 4 ABS 7 Fiberglass . . . . . Threaded . . . . .

Blank casing diameter . . . . . in. to . . . . . ft., Dia . . . . . in. to . . . . . ft., Dia . . . . . in. to . . . . . ft.

Casing height above land surface . . . . . in., weight . . . . . lbs./ft. Wall thickness or gauge No. . . . . .

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

SCREEN OR PERFORATION OPENINGS ARE: 5 Gauzed wrapped 8 Saw cut 11 None (open hole)
1 Continuous slot 3 Mill slot 6 Wire wrapped 9 Drilled holes
2 Louvered shutter 4 Key punched 7 Torch 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 . . . . . ft. to . . . . . 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 14 Abandoned water well
2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 15 Oil well/Gas well
3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage 16 Other (specify below)
13 Insecticide storage . . . . .

Direction from well? How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
77'	102'	SAND, BUFF, FINE to MED. GRAINS, SUB ROUND, QUARTZOSE, FAIR SORTING			
102'	121'	SAND, BUFF, COARSE GRAINED, TRACE MED. GRAINS, ROUND to SUB-ROUND.			
121'	124'	SAND, BRN., GRAVEL, SANDSTONE FRAGMENTS (DAKOTA) CALCAREOUS FRAGMENTS, POORLY SORTED, SUB-ANGULAR to SUB-ROUNDED.			
124'	125'	WEATHERED SHALE, GRAY/GREEN, SILTY.			
125'	136'	SHALE, GRAY, FISSILE, HARD, SILTY.			

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) 7-23-02 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 665 This Water Well Record was completed on (mo/day/yr) 10-2-02 under the business name of PRATT WELL ENVIRONMENTAL by (signature) Steven Eyell

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, Topeka, Kansas 66620-0001. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY T R E/W SEC. ¼ ¼ ¼

KANSAS

CORPORATION COMMISSION

March 29, 2005

Bureau of Water
Environmental
Attn: Geology Section
1000 South West Jackson Suite#420
Topeka, Kansas 66612-1367

Re: Corrected water Well Location
Monitoring wells KCC
McPherson County

Dear Sir:

Enclosed are copies of the WWC5 as in database. Corrections have been marked on the forms. While I was working with the KGS water well database when I noticed that the correction on this project had not been sent to you. If you have any questions please call.

Sincerely

Bill Johnson
Environmental Geologist

C: file

COPY

RUNNING TURKEY CREEK
ERRORS IN THE FINAL REPORT BY T & C MFG OPER.

SECTION 1: WELL LOCATIONS & SURVEY DATA SHEET

1. There are two topographic maps submitted with this report that show the locations for the monitoring wells. The first map shows the locations for the monitoring wells in the Elyria area, and the second shows the locations for monitoring wells in the Galva area. The Elyria map does not show the locations for monitoring wells 17-02, 18-02 or 19-02, and the Galva area map show the original locations for monitoring wells 2-02, 5-02, and 6-02, which had to be moved due to drilling obstructions such as pipelines.

2. Following the topographic maps is a spreadsheet listing all spot location data for monitoring wells that were completed and not plugged. Well locations are wrong for monitoring wells 2-02, 5-02, 6-02, 13-02, 15-02, and 16-02. It is assumed that the Lat./Long coordinates for these wells are also wrong. As stated above some locations were moved due to drilling obstructions, and were not re-shot with a GPS unit, but all errors include the wrong section and spot locations

3. The survey work done by Melanie L. Thrower is very vague, and uses some monitoring well numbers that were not designated numbers by Bill Johnson. This survey only gives the monitoring well numbers and the elevations for the Top of Casings. There is no confirming what sec-twp-rge or location she was in when doing the survey work. The survey did not include MW 15-02, but shows two surveys for 16-02. There is a 16-B-02 and a 16-02(s). It appears by looking at the elevations the 16-02(s), (s for south) corresponds to MW 15-02, but again without having a spot location this is only a good guess.

SECTION 2: DAILY JOB LOG

1. This section has limited information and it appears Geostat didn't keep a daily log from 6-8-02 to 7-30-02. Their logbook does have dates for when the wells were developed.

SECTION 3: WELL INFORMATION SECTION; WELL LOG, WWWC-5 FORM, LOG OF TEST BORING

1. MW 1-02 OK
2. MW 2-02 Has the original location on the well log which was copied onto the WWC-5 form. Wrong spot, section and Lat./Long coordinates.
3. MW 3-02 OK
4. MW 4-02 OK

5. MW 5-02 Has the original location on the well log which was copied onto the WWC-5 form. Wrong spot, section and Lat./Long coordinates.
6. MW 6-02 Has the original location on the well log which was copied onto the WWC-5 form. Wrong spot, section and Lat./Long coordinates.
7. MW 7-02 OK
8. MW 8-02 PLUGGED. Well log indicated TD was 45'. Bill Johnson's field notes indicate TD was 40'.
9. MW 9-02 PLUGGED. The lithologic description in this report is for MW 11-02, not 9-02. The wrong log was probably used when typing up the report. The TD for 9-02 was 35', not 63'. Location in the report is correct for 9-02. WWC-5 form also has correct location for 9-02, but the rest of the lithologic log is for MW 11-02 as well.
10. MW 10-02 OK
11. MW 11-02 PLUGGED. NO REPORT SUBMITTED.
12. MW 12-02 OK
13. MW 13-02 Wrong spot location and section. WWC5 form also reflects the wrong spot location and section. Wrong Lat./Long?
14. MW 14-02 OK
15. MW 15-02 Wrong spot location and section. WWC5 form also reflects the wrong spot location and section. Wrong Lat./Long?
16. MW 16-02 Wrong spot location and section. WWC5 form also reflects the wrong spot location and section. Wrong Lat./Long?
17. MW 17-02 OK
18. MW 18-02 OK
19. MW 19-02 10' of screen and 64' of pipe run, not 66' of pipe run. WWC5 form OK